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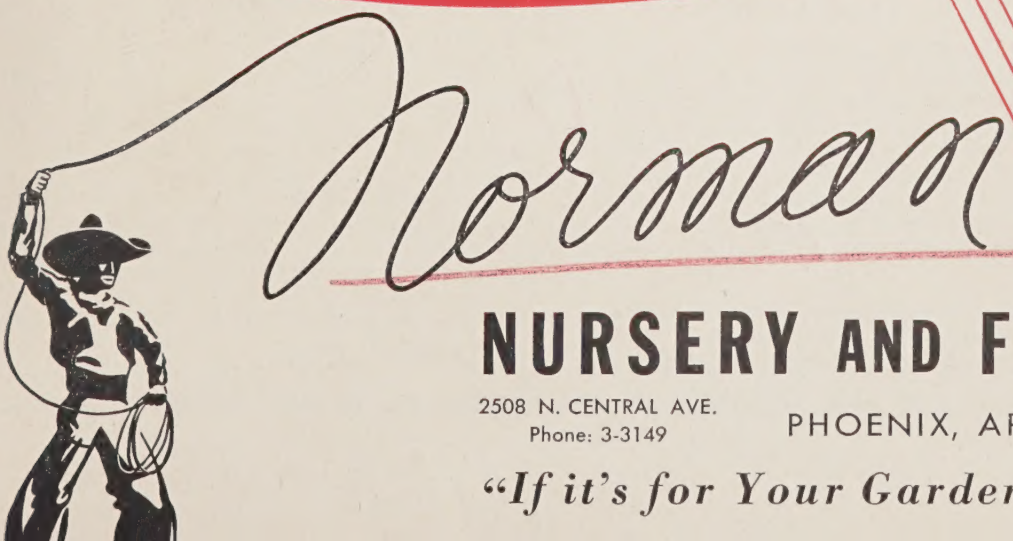
1948

"Desert Grown
Plants for
Arizona Gardens"

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NEW **AARS** ROSE TAFFETA
Pat. 716. Each \$2.00



NURSERY AND FLOWER SHOP

2508 N. CENTRAL AVE.
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PHOENIX, ARIZONA

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"If it's for Your Garden—Norman's has it"



OFFICE AND SALESYARD LOCATED AT 2508 N. CENTRAL AVENUE

How to Order by Mail

Please be sure your name and address is written plainly on each sheet of your order.

Send All Shipping Orders to 2508 N. Central Ave.

WHEN ORDERING, state what method of shipping you wish. When no preference is given, we shall ship by the best and fastest lines.

REMITTANCES may be made by check or money order. We ship C.O.D. only when 25% of order value is sent at time of placing order. We will be glad to open a charge account for you if proper references are supplied and sufficient time for inquiry is given.

ERRORS IN FILLING ORDERS—We use extra care in filling all shipping orders. Should anything be omitted, we will promptly make the correction upon notification. Keep a duplicate copy of orders for checking purposes upon receipt of your order.

PACKING—A charge for packing will be made to cover the cost.

SUBSTITUTION—Please state when ordering whether or not substitution is satisfactory on items that we are out of.

SALES TAX—2% Tax must be added on all orders originating within the state.

SHIPPING CHARGES—All transportation charges shall be paid at the destination unless arrangements have been made for prepaying the shipment. Some small shipments can be made by mail. If so, sufficient postage should be sent to cover.

PARCEL POST RATES

On seeds, bulbs, supplies and some shrubs, shipment can be made by mail. For your convenience, we show below rates for postage.

	First lb. or fraction	Add'l lb. or fraction
Phoenix and within 50 miles.....	9c	1c
50 to 150 miles.....	9c	1c
300 to 600 miles.....	11c	4c
600 to 1000 miles.....	12c	5c

NON WARRANTY

We give no warranty, expressed or implied, as to the description, quality, productiveness or any other matter to any seeds, plants or bulbs we send out, and cannot be held responsible for the crop. We buy our seed and bulbs from the world's largest growers of these products who have proven their reliability through our years of experience in dealing with them. New types and strains are thoroughly tested before entered for sale by us.

We packet seeds in our own packets and can assure you of only the best and full amounts in all packets.

Please follow the planting guide and instructions for best results.

We exercise the greatest care to have our plants true to label, and hold ourselves in readiness on proper proof, to replace any plants that may prove untrue to label, free of charge, or to refund the amount paid, but it is mutually understood and agreed between the purchaser and ourselves that our guarantee shall in no case make us liable for any sum greater than that originally received for said plants that may prove untrue.

Look for this

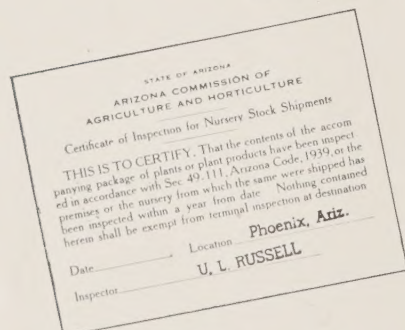
CERTIFICATE

on all purchases of nursery stock

It is your

GUARANTEE

that the stock you receive has been inspected by our competent State officials and found to be apparently free from dangerously injurious insect pests and plant diseases. All our nursery stock is inspected by the trained personnel of our State Department of Agriculture, and we



are issued this certificate only after it has been determined that our stock meets their standards of pest freedom.

We attach copy of our certificate on all our shipments. Look for it. It is your guarantee backed by our State Department of Agriculture.

BECAUSE OF PRESENT CONDITIONS, PRICES AND MERCHANDISE ARE SUBJECT TO CHANGE WITHOUT NOTICE.

TREES FOR EVERY PURPOSE EVERGREEN TREES

ACACIA

ACACIA FLORIBUNDA—A fast-growing, upright, evergreen tree making a dense, round head with narrow leaves. Small yellow flowers of delicate fragrance appear throughout the year. 5-gal. \$3.00.

ORCHID TREE

BAUHINIA PURPUREA—10 ft. A small tree having large, two-lobed leaves and beautiful flowers varying from light pink to purple. Trees lightly susceptible to cold and should be planted in warm, sunny place. 5-gal. \$3.50.

BOTTLE TREE

STERCULIA DIVERSIFOLIA—A medium sized evergreen tree with variable foliage and sturdy trunk. Large at base suggesting a bottle. Of deep rooted habit. 5-gal. \$3.50.

CAROB

CERATONIA SILIQUA (St. John's Bread)—Dense round-headed tree to 40 feet; admirably suited for dry sections in street or highway planting; an historic tree, the edible pods or beans having been used for centuries. 5-gal. \$3.50.

BEEFWOOD

CASUARINA STRICTA—Tree 20 to 30 feet tall in appearance, much like a pine and often mistaken for Tamarix. Foliage very fine in texture. Withstands drought. Gal. 75c; 5-gal. \$3.00.

EUCALYPTUS or GUM TREES

EUCALYPTUS ROSTRATA—A fast-growing, tall tree with long, pointed leaves; very hardy to heat, frost and alkali. 5-gal. \$3.50.

EUCALYPTUS RUDIS—An erect, strong, fast grower. Gray bark, round shaped leaves; adapted to planting in hot, interior valley. 5-gal. \$3.00.

EUCALYPTUS TORQUATA—We have found this flowering type of Eucalyptus thrives well in Arizona. Its brick red flowers make a beautiful display from January through April. 5-gal. cans \$3.50.

SILK OAK

GREVILLEA ROBUSTA—Large pyramidal tree with fern-like leaves, masses of golden flowers in spring. Makes a fine street tree. 5-gal. \$3.50.

PALMS

ORNAMENTAL DATE PALM

PHOENIX CANARIENSIS—A feather veined type in which the leaflets run out from the sides of the long arching midribs. Bushy and compact. Grows to 25 feet. Gal 75c; 5-gal. \$3.50. Larger sizes on request.

FAN PALM

WASHINGTONIA ROBUSTA—Fan leaf type with leaflets radiating from a common center. Tall, slender and rapid growing, often 100 feet tall. B. & B. \$5.00 and up.

DATE PALM

PHOENIX DACTYLIFERA—We offer standard date varieties. Off-shoots \$5.00 and up. Bearing dates \$15.00 and up.

JACARANDA

JACARANDA MIMOSAEOFOLIA—Brazil, to 50 feet. One of the most handsome flowering trees; fern-like leaves; beautiful light blue flowers in clustres. Needs some protection from frost while young. 5-gal. \$3.50.

PARKINSONIA

PARKINSONIA ACULEATA—A very interesting small tree. Smooth bright green bark very fine foliage; small thorns on leaf stalks; profusion of yellow, fragrant flowers; will thrive in dry soil. Domestic type of native Palo Verde. 5-gal. \$3.00.

PEPPER TREE

A well known round-headed tree to 40 feet with low drooping branches, fine feathery foliage and drooping clusters of red berries in winter. Extremely hardy. 5-gal. \$3.00.

DECIDUOUS TREES

This type of tree is available only during January, February and March. At that time they are moved bare root. Mulberry and elm trees are usually available in cans until summer.

We are justly proud of our Deciduous trees because we grow them ourselves in our own growing grounds. Each tree can be classed as "Best for Arizona Climate".

ARIZONA ASH

FRAXINUS VELUTINA—A deciduous native of Arizona and New Mexico; highly recommended for specimen or street shade tree. Stands considerable alkali. 6-8 ft. \$1.50, 8-10 ft. \$3.00.

RED BUD

CERCIS CANADENSIS—Deciduous shrub or tree to 40 feet; rose colored flowers appear in great abundance before the leaves in early spring. Highly ornamental and well adapted for specimens on the lawn. \$1.50 up.

CHINESE ELM

ULMUS PUMILA—A graceful, exceptionally rugged, deciduous tree of rapid growth; hardy in any condition of soil or weather. 6 to 8 ft. \$1.50, 8 to 10 ft. \$2.50, 10 to 12 ft. \$4.00.

TEXAS UMBRELLA

MELIA AZEDARACH UMBRACULIFORMIS—Fast growing deciduous shade tree to 30 feet—branches radiating from the trunk as the ribs of an umbrella, lavender flowers in summer. 6 to 8 ft. \$1.50, 8 to 10 ft. \$2.50.

WEeping WILLOW

SALIX ELEGANTISSIMA—30 to 40 feet; long slender olive green foliage; a truly beautiful tree; gracefully pendulous. \$2.50.

FRUITLESS MULBERRY

MORUS KINGAN—We have come to believe that the Kingan Mulberry is the finest shade tree that can be planted in Arizona. It has combined qualities of cleanliness, fast growth and disease resistance. This tree grows almost round in shape with large bright green foliage that makes ideal shade. We do not hesitate to recommend it for all parts of Arizona except the very coldest districts. 6-8 ft. branched, \$2.50; 8-10 ft. branched, \$3.50. Larger specimen trees can be had.

SYCAMORE

PLATANUS RACEMOSA—A rapid growing tree often making a clump of several trunks. Informal leaves with long finger-like divisions. Grows with mottled bark. Always a pleasant variation and source of interest. 8-10 ft. \$3.50.



BERCKMAN'S GOLDEN ARBORVITAE

CONIFERS

ARBORVITAE

Through the hot months of the year evergreens such as arborvitae, cypress trees and junipers get full of dust and this has a tendency to encourage red spiders to work. These are easily kept at a minimum by using the hose with a nozzle at a strong stream of water and washing these plants out about once a week. If spiders get too bad, use dusting sulphur or End-O-Pest for a counteracting measure.

THUJA AUREA NANA (Berckman's Dwarf Golden) — Dwarf, compact and symmetrical growth becoming almost globular as it gets older. Branches are tipped with a bright golden tint. \$2.50 up.

THUJA BONITA—Beautiful bright green dwarf conical plant. By shearing, it makes a handsome plant retaining the same color throughout the year. \$2.50 up.

THUJA PYRAMIDALIS—Tall, narrow, compact pyramidal growth reaching 15-20 feet, of rich green color. \$2.50 up.

CYPRESS

CUPRESSUS ARIZONICA—Narrow pyramidal tree with blue-green foliage. Makes a fine windbreak in the warmer sections or use as a specimen. Gal. 75c, 5-gal. \$3.50.

CUPRESSUS SEMPERVIRENS (Italian Cypress)—Tall, slender spire of deep green, compact growth. Valuable as vertical accent point in the landscape composition. Gal. \$1.00, 5-gal. \$3.50.

CUPRESSUS MACROCARPA (Monterey Cypress) — Spreading evergreen tree to 40 feet; widely used as hedges. Thrives in any soil under almost any condition. Gal. 60c, 5-gal. \$3.00.

JUNPERS

JUNIPERUS PFITZERIANA — A bushy wide-spreading shrub with horizontal branches of bluish green foliage. Very hardy in all localities. Gal. 75c, 5-gal. \$3.50.

PINE TREES

PINUS HALEPENSIS (Aleppo Pine)—Dense, spreading tree with short, dense needles. Widely planted and thriving on neglect. Gal. 75c, 5-gal. \$3.00.

FLOWERING SHRUBS

Our shrubs are practically all home grown and therefore acclimated to Arizona weather. We feel sure you will be well pleased with Norman Grown Plants. Our shrubs are grown in containers and may be planted at any time.

With the exception of those noted, all shrubs in this class can be planted the year around with preference to spring and fall.

After some of the following listings the initials **E** stands for Evergreen, **D** for Deciduous (loses leaves in winter).

ALTHEA or ROSE OF SHARON

ALTHEA SYRIACUS (Assorted Colors)—Deciduous hibiscus shrub to 6 ft., very colorful in bloom. Gal. 75c, 5-gal. \$3.00.

ASPARAGUS FERNS

ASPARAGUS PLUMOSUS—"Fern" commonly used by florists as a filler in bouquets. Finely divided foliage. Does well in a shady location, for window boxes and pots. Gal. 75c.

ASPARAGUS SPRENGERI—Similar to the above but the leaves are about an inch long and narrow. Makes a fluffy mass of nice foliage. For shady locations, also for window boxes and pots. Gal. 75c.

SHRIMP PLANT

BELOPERONE TOMENTOSA—An attractive small shrub with unique flowers. Long arching blooms seemingly made up of coppery-orange plates, from under each peers a creamy white flower. In bloom most of the year. Prefers east exposure. **E.** Gal. 75c, 5-gal. \$3.00.

JAPANESE BOXWOOD

BUXUS JAPONICA—Low, evergreen, compact shrub; small bright green leaves. Ideal for hedges. Must have shade. **E.** Gal. 75c, trimmed specimens, \$3.50 and up.



BELOPERONE (SHRIMP PLANT)

BUTTERFLY BUSH

BUDDLEIA—Very nice shrub; arching branches; lance-shaped leaves and dense clusters of flowers. **E. Gal. 75c, 5-gal. \$3.00.**

FLAME BUSH

CALLIANDRA GUILDINGII—From far-off Trinidad comes this fern-like foliaged shrub with the large heads of brilliant scarlet flowers. Through summer and until mid-winter the startling blossoms make their appearance. Is quite hardy. Good drainage and plenty of sun. **D. Gal. 75c, 5-gal. \$3.00.**

BOTTLE BRUSH (*CALLISTEMON VIMINALIS*)**BOTTLEBRUSH**

CALLISTEMON VIMINALIS—One of the newer and by far the best of the bottle brush family. From early spring until summer this large, willowy, fast growing shrub is simply smothered with bright scarlet cylindrical flowers. When in bloom the effect of this shrub is almost breath-taking. And we hope we're not exaggerating! Full sun is best. Hardy. **E. Gal. 75c, 5-gal. \$3.00.**

CAMELLIAS

The exquisite flowers and clean glossy evergreen foliage make these a garden favorite. Camellias are not difficult to grow; they require a well drained soil to which peat or leaf mold should be added; prefer a **shady**, sheltered location. **E. Gal. \$2.00-\$2.50, 5-gal. \$8.00.**

See Special Planting Chart for full instructions. ➤

BELGIAN—Red.

CHANDLERI ELEGANS—Peony-flowered blooms with tightly curled center petals. Soft rose splotted with white. (Picture above.)

CHEERFUL—Clear cherry-red flowers, double, free flowering. Hardy.

CAMELLIA, *CHANDLERI ELEGANS*

COVINA—Free flowering over long periods. Medium size, double, clear rose-pink, petals more loose than formal.

DIAGAGURA—Earliest bloomer. Bright rose-red splotted with white, full double with center petals smaller and often curled and twisted.

EUREKA—Red.

PINK PERFECTION—Old favorite and first choice of inexperienced grower. Symmetrical and delicate, of clear shell pink.

PROF. SARGENT—Peony-type. Scarlet.

PURITY—Symmetrical, double flowers, ivory white. Profuse bloomer.

ROSITA—Full double formal of rose-pink. Vigorous grower.

CASSIA

CASSIA ARTEMISOIDES—Medium sized evergreen shrub; finely cut gray-green foliage; deep yellow flowers. A splendid desert plant. **E. Gal. 75c, 5-gal. \$3.00.**

PLANTING OF GARDENIAS AND CAMELLIAS

Select a shady, cool location for planting. Dig a hole at least two feet deep and two feet wide. Unless you are sure that drainage is good, put a layer of sand or gravel in the bottom of the hole. Mix the soil that is to be used for the refill with at least one half peat moss and some sand. Mix about two pounds of soil sulphur with the soil to furnish acid for the plant. Water regularly but be careful not to overwater. **Do not plant deeper than now in container.**



REDBUD (CERCIS CANADENSIS)

REDBUD

CERCIS CANADENSIS—A small round leaved tree to 12 feet, just the right size to fit in a rather small spot in the garden. Great quantities of rose-pink pea-shaped flowers are borne in late spring. Best planted in spring. **D.** \$1.50 and up.

ROCK ROSE

CISTUS PURPUREA—Shrub to 4 feet. Grayish green foliage; lilac rose flowers, yellow at the base with a maroon blotch. **D.** Gal. 75c, 5-gal. \$3.00.

COTONEASTER

COTONEASTER GLAUCOPHYLLA—Low spreading shrub with gray leaves and red berries. **E.** Gal. 75c, 5-gal. \$3.00.

COTONEASTER PANNOSA—Tall, graceful shrub; long arching stems of silvery gray-green foliage; clusters of red berries. **E.** Gal. 75c, 5-gal. \$3.00.

COTONEASTER PARNEYI—The most handsome of all the tall growing cotoneasters; has largest shiny deep red berries in immense clusters which are extremely handsome, displayed among the large glossy green leaves. **E.** Gal. 75c, 5-gal. \$3.00.

CREPE MYRTLE

Although this shrub may not start blooming until June, it will amply repay the planter by blooming continuously throughout the summer. Plant in spring and summer. **D.** Gal. 75c, 5-gal. \$3.00.

Colors: Pink, white, lavender.

FLOWERING QUINCE

CYDONIA JAPONICA—Deciduous shrub with glossy foliage and brightly colored flowers borne in early spring. Plant in spring and summer. **D.** Gal. 75c, 5-gal. \$3.00.

EUONYMUS

EUONYMUS JAPONICA—A very popular evergreen shrub of moderate size with clear dark green foliage. For east or north exposure. Has many variegated varieties. **E.** Gal. 75c, 5-gal. \$3.00.

PINEAPPLE GUAVA

FEIJOA SELLOWIANA—Attractive flowers with waxy, white petals with gray reverse, surrounding a cluster of very bright, deep red stamens, spring through summer. Edible fruit which follows is strongly scented of pineapple. Likes shade or semi-shade. **E.** Gal. 75c, 5-gal. \$3.00.

FLOWERING PEACH

Beautiful, erect shrubs or small trees with masses of dainty flowers before the foliage appears. Blooms resemble tiny double roses, and cut branches are effective as floral sprays. Cannot be shipped after March 1. At this time plants will be available for planting in Maricopa County only. 5-gal. \$3.50. Bare root, 4 to 6 ft. \$1.50 and up (Available January and February only). We have the following colors:

EARLY DOUBLE RED—Magnificent ruby red flowers.

EARLY DOUBLE PINK—Earliest, beautiful rose-pink.

WHITE—Large, snow-white flowers.

PEPPERMINT STICK—Flowers striped red and white.

GARDENIA

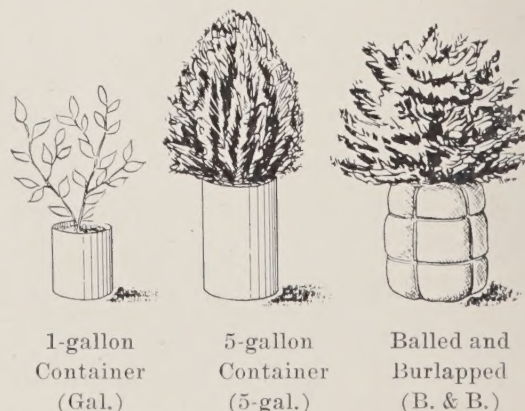
GARDENIA MYSTERY—Large, well formed flowers, often used in corsages. Lovely, dark green, glossy foliage. Gardenias should be given a slightly acid soil of a friable nature, and a peat mulch, they will be generous with their flowers. Only an average amount of water should be given. **E.** Gal. \$1.50, 5-gal. \$4.00 to \$5.00. See chart, page 5.

GERANIUMS

Assorted colors. **E.** Gal. 75c and up.

MARTHA WASHINGTON GERANIUMS (Pelargoniums)—Large clusters of very bright flowers. Perennial, making bushy growth. Excellent for pots and plant boxes. Assorted colors. **Gal.** cans 75c.

Illustrated here are the three common sizes of most shrubs. When ordering, please state the size wanted.



1-gallon
Container
(Gal.)

5-gallon
Container
(5-gal.)

Balled and
Burlapped
(B. & B.)

HIBISCUS

Hibiscus do exceptionally well in Arizona where there is practically no frost. Even when it freezes in winter, it will amply repay you by blooming profusely all summer. A variety of colors and sizes are ready for your selection. Plant in spring and summer. **D.**

AGNES GAULT—Immense coral pink, with apricot throat.

BRILLANTE—Single red.

CROWN OF BOHEMIA—Immense double, apricot yellow.

KONA PINK—Delicate light pink.

RED MONARCH—Double red.

SINGLE APRICOT.

SINGLE YELLOW.

SINGLE WHITE.

Priced—Gal. \$1.50 and up, 5-gal. \$4.00 and up.

BUSH JASMINE

JASMINE REVOLUTUM—Semi-climber, very similar, but smaller in foliage and bloom, to primulinum. Much used as a shrub. **E.** Gal. 75c, 5-gal. \$3.00.

SUGAR PLUM TREE

LAGUNARIA PATTERSONI—Tall, slender grey leaved shrub or small tree. Dense habit of growth; is covered in spring with many pink mallow-type flowers. Sun. **E.** Gal. 75c, 5-gal. \$3.00.

LANTANA

LANTANA CAMARA—A very popular shrub of rapid growth in bloom during most of the year, having a wide range of brilliant colors. Dwarf varieties grow 1 to 2 feet high—tall varieties grow to 5 feet. Sunny location. **Gal.** 75c.

Orange-red—Most popular, very free flowering and showy.

Pink—Light, clear pink.

Yellow—Clear, lemon-yellow.

LANTANA SELLOWIANA (Trailing Lantana) — Fast-growing and free-flowering variety used as a ground cover. Lavender flowers.

LEMON VERBENA

LIPPIA CITRIODORA—Usually a medium-sized shrub with rather sparse leaves which have a definite, spicy, lemon odor; small lavender-white flowers; a specimen shrub. **D.** Gal. 75c.

LILACS

SYRINGA VULGARIS—A large upright shrub; dark green foliage; clear, light blue, fragrant flowers in spring; semi-late. **D.** Gal. \$1.00 and up.

SYRINGA PERSICA (Cut Leaf Persian Lilac)—Smaller cut-leaves. Foliage light green. Flowers same as above but earlier and more prolific.

TIPS ON PLANTING TREES AND SHRUBS

Be sure that the roots and tops have been trimmed on all deciduous trees before planting. Our nursery will do the trimming for you if you request. If not, just cut the roots slightly and shape up the top. Rose bushes also must be cut back at the time of planting. Dig the hole for trees wide enough so that the roots are not crowded. Plant the bud below the ground, thus making a very straight trunk. Do not mix manure into the ground, but place fertilizer around the top and water thoroughly at least twice a week.

All shrubs with the exception of the Bougainvillea should be planted out of the can. Split the can down on opposite sides, and remove the dirt intact with the roots of the plant. Dig the hole a little larger than the can and place in the hole. Mix a little peat moss with the soil and fill in, watering the hole while filling in with dirt. When setting in the Bougainvillea, slit the can several times on all sides and across the bottom. Bury the entire can and the roots will grow out through the cuts. The can will rot off in a short time.



PINEAPPLE GUAVA (FEIJOA SELLOWIANA)

MYRTLE

MYRTUS COMMUNIS—Beautiful evergreen shrub of fine clean, small glossy foliage. Fragrant white flowers. **E.** Gal. 75c, 5-gal. \$3.00.

MYRTUS COMPACTA—Very compact form of preceding; smaller darker green foliage; slightly smaller white flowers. Popular dwarf hedge plant. **E.** Gal. 75c, 5-gal. \$3.00.

NANDINA or HEAVENLY BAMBOO

NANDINA DOMESTICA—Moderate sized shrub of erect growth with finely cut, light green foliage in summer; bronzy red in winter. White flowers and bright crimson berries. Semi-shade. **E.** Gal. 75c, 5-gal. \$3.00.

OLEANDER

NERIUM OLEANDER (All Colors)—We list quite a variety of this popular, fast growing shrub; in color, bloom and type of growth. All are very free blooming and like sunny locations. **E.** Gal., white and pink, 50c each; cherry red, 60c each. Quantity of 20 or more, 10c less per plant.

PAMPAS GRASS

CORTADERIA ARGENTEA—A showy perennial subtropical grass. Grand for its very ornamental whitish fluffy plumes. Much used in dried bouquets. Hardy. **E.** Gal. 75c, 5-gal. \$3.00.



FLOWERING PEACH—White and Early Pink



PURPLE ORCHID TREE, BAUHINIA

BLUE PLUMBAGO

PLUMBAGA CAPENSIS—A pendulous semi-climbing shrub bearing racemes of azure-blue flowers over a long season. A fine ornamental shrub. **D. Gal. 75c, 5-gal. \$3.00.**

PHOTINIA or ARIZONA HOLLY

PHOTINIA SERRULATA—A large shrub of rounded form with attractive, long, fairly broad, dark, glossy green drooping leaves, turning vivid red in fall and lasting through the winter. Bears small white flowers in large heads in great profusion in late spring. **E. Gal. 75c, 5-gal. \$3.00.**

MOCK ORANGE

PITTOSPORUM TOBIRA—A dense shrub to 6 feet. Dark green shiny leaves and white fragrant flowers. East or north exposure. **E. Gal. 75c, 5-gal. \$3.00.**

POINSETTIA

POINSETTIA HENRIETTA ECKE—This is the famous double Poinsettia. Actually has so many bright bracts that it appears to have a double center. Plant in late spring. **Sun. D. Gal. \$1.00, 5-gal. \$3.50.**

POMEGRANATE

PUNICA GRANATUM NANA (Dwarf flowering Pomegranate)—A dwarf, compact, bushy shrub, nearly always having red flowers and fruit present. **D. Gal. 75c, 5-gal. \$3.00.**

PUNICA GRANATUM WONDERFUL—Finest of the fruiting types.

Norman Grown Shrubs **Are Selected for Arizona and Grown Locally**

Our shrubs are practically all home grown and are acclimated to Arizona Desert conditions. We feel sure you will be well pleased with Norman Grown Plants.



MARTHA WASHINGTON GERANIUMS (PELARGONIUMS)
See Page 6

PRIVET

LIGUSTRUM JAPONICA—A very useful, comparatively rank-growing evergreen with rather large leaves; makes excellent large hedge or screen plantings. **E. Gal. 75c, 5-gal. \$3.00. In flats \$7.50 per 100.**

PYRACANTHA or FIRETHORN

PYRACANTHA ROSEDALE—A wonderful evergreen shrub with dark green foliage and quantities of big, rich, red berries in fall and winter. Hardy anywhere. Full sun. **E. Gal. \$1.50, 5-gal. \$3.50. (See picture next page.)**

➤ **PYRACANTHA LEWISII**—Similar but with spires of bright red berries around Christmas time. Blooms with masses of white blossoms in the spring. **Gal. \$1.50, 5-gal. \$3.50.**

SPANISH BROOM

GENISTA FRAGRANS—A spiny-branched, small shrub with golden yellow flowers in May and June. Adapted to dry situations. Combines well with native material. **E. Gal. 75c, 5-gal. \$3.00.**

BRIDAL WREATH

SPIRAEA VANHOUTTEI—Grows 4-6 feet high; slender arching branches, numerous pure white flowers in clusters in the spring. Very hardy. **D. Gal. 75c, 5-gal. \$3.00.**

TEXAS SILVER BUSH

LEUCOPHYLLUM TEXANUM—To 8 feet. Evergreen shrub with silvery gray foliage and bell-shaped, orchid flowers almost throughout the summer. Good shrub for contrast; drought-tolerant; excellent for desert planting. Sun. **E. Gal. 75c, 5-gal. \$3.00.**



PYRACANTHA ROSEDALE (Trade Mark Reg.)

LAURISTINUS

VIBURNUM TINUS—Medium sized shrub with medium sized dark green foliage and flat clusters of flowers varying from white to rose-pink. Blooms in spring. Shade. **E. Gal. 75c, 5-gal. \$3.00.**

VIBURNUM

VIBURNUM SUSPENSUM—A bushy medium sized shrub with large heavily veined dark green leaves and clusters of white blossoms. Shade. **E. Gal. 75c, 5-gal. \$3.00.**

YUCCA

YUCCA PENDULA—Long slightly glaucous gracefully drooping leaves on a short trunk. Flowers green in bud, white when open. An excellent tub plant. **E. Gal. 75c, 5-gal. \$3.00.**

A Few Suggestions in Selecting Plants for**Shady Location**

Camellias
Euonymus
Gardenia
Lilac
Nandina
Pittosporum
Viburnum
Shrimp Plant
Ivy
Ficus Repens
Boxwood

Sunny Location

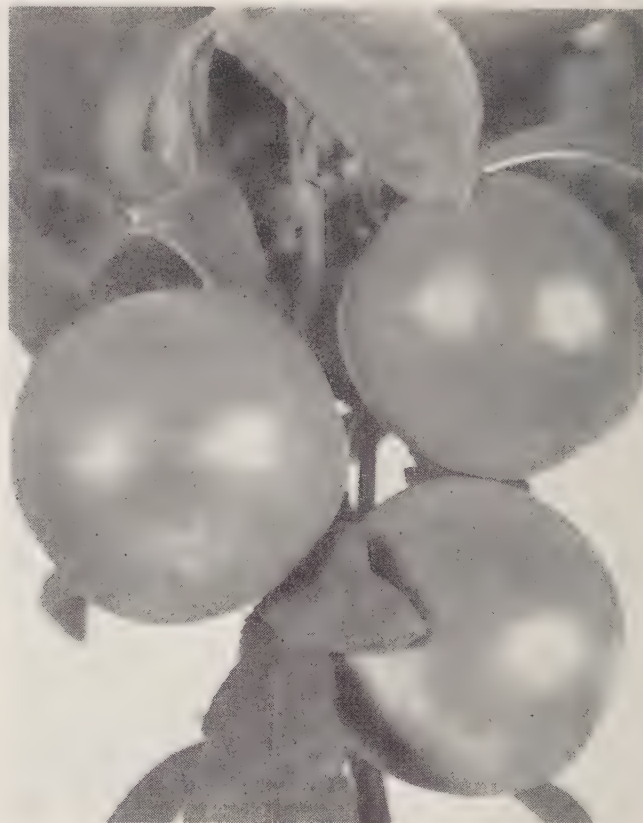
Cassia
Hibiscus
Lantana
Plumbago
Poinsettia
Texas Silver
Bush
Pyracantha
Myrtle
Bougainvillea
Crepe Myrtle



HIBISCUS, CROWN OF BOHEMIA



ROYAL APRICOT



NECTARINE, GOWER

NORMAN'S FRUIT TREES FOR ARIZONA GARDENS

AVAILABLE DURING JANUARY TO MARCH ONLY

PRICES: \$1.50 each unless marked

APPLES

For Cooler Sections of Arizona

DELICIOUS—We include this variety because of its popularity. In colder sections it does well. Beautiful red skinned fruits that are truly delicious.

YELLOW NEWTOWN PIPPIN—One of the best winter apples. Large golden yellow fruits with creamy firm flesh. Juicy and slightly acid.

TRANSCENDENT CRABAPPLE — Good size, August ripening. Yellow fruits blushed red. The best variety for Arizona.

APRICOTS

NEWCASTLE—Early variety bearing in May and early June. Medium size fruits of good flavor, are fine for eating. Prolific.

ROYAL—A very fine apricot, very extensively planted in this state. Of medium size, yellow with red cheek; immensely productive; an early ripening variety. June.

CHERRIES

For Cooler Sections of Arizona

BING—Large heart-shaped sweet fruits. Glossy skin. Firm flesh, almost black. Fine canning variety. June.

ENGLISH MORELLO—The standard late red sour cherry. Best for pies and canning.

FIGS

BLACK MISSION—Large purplish-black figs with tasty brownish flesh. Trees bear best if not pruned. Ripens in May.

BROWN TURKEY—One of the best and most popular. Large purple-brown figs with soft delicious white flesh encasing a pink interior. Prune heavily in winter.

KADOTA—Popular white fig. Fruits small, yellow-green, extremely rich and sweet. Best for preserving of any fig. Ripe summer and fall. Pruning not necessary. Best for cool territories.

PEARS

BARTLETT—Summer and winter varieties available. Fine keeping pear. Fruits small and sweet. Good eating.

WINTER NELIS—Small, delightfully flavored fruits. Excellent along the coast. December. Good bearer and pollenizer.

KIEFFER PEAR—Excellent pear for canning. Bears well, making a shapely medium-sized tree, quite resistant to disease.

WHEN TO PLANT

Citrus Trees.....	January to June
Berry Plants.....	January to March
Deciduous Fruit Trees.....	January to March
Deciduous Shade Trees.....	January to March
Deciduous Shrubs.....	January to March
Deciduous Shrubs.....	January to March
Evergreen Trees.....	November to June
Roses, Dormant.....	January to March
Bedding Plants.....	September to April

PEACHES

BABCOCK—Very popular. Consistent bearer, even after mild winters. Smooth red cheeks and delicious white flesh. June.

EARLY ELBERTA—Large yellow freestone peach, similar to the Elberta but ripening one month earlier. June.

ELBERTA—Oval peaches of good size. Yellow with red cheeks. Yellow flesh of excellent flavor. Early July.

EARLY CRAWFORD—A large round fruit with yellow flesh streaked red near the pit. Yellow blushed red. July.

J. H. HALE—Popular large round peach. Fruit very beautiful. Flesh firm, yellow and of fine flavor. Late July.

STRAWBERRY CLING—Medium size oval fruits, skin marbled with deep red. Flesh white, juicy and delicately flavored.

WHITE HEATH CLING—Light cream colored fruits with pink cheeks. Juicy, tender and rich flavor. September.

NECTARINES

GOWER—Large, firm, green fruits with deep red blush. Early June.

JOHN RIVERS—Earliest to ripen, producing excellent quality medium size fruits. Color an attractive red. Early June.

STANWICK—Pale green fruits shaded with purple. Early August.



BROWN TURKEY FIG

SPRAYING GUIDE FOR FRUIT

CROPS	INSECTS AND DISEASES	MATERIALS	DILUTIONS One Gal of Water	TIME TO SPRAY
Peach Plum Apricot Cherry	Scale, Insect and Leaf Curl	Lime-Sulphur Sol. Oil Emulsion or Dry Lime-Sulphur	1/4 pint 18-20 teaspoonfuls	Before the buds swell. Add Bordeaux to Oil Emulsion to prevent leaf curl.
	Shot Hole or Fungi Curculio	Zinc Sulphate Arsenate of Lead	1 teaspoonful 2 teaspoonfuls	Combine with petal fall and later sprays. Use in combination with Dritomic Sulphur on petal fall, shuck and cover sprays.
	Scab and Brown Rot	Dry Mix, Dritomic Sulphur	12-20 teaspoonfuls 8 teaspoonfuls	1. When most of shucks are off. 2. 2 weeks after shucks have dropped. 3. 4 weeks before picking if necessary.
	Borers	Paradichlorbenzene Ethylene Dichloride Emulsion	1 oz. 2 in. from trunk of tree Sprinkled around trunk of tree	In the fall or spring. In the fall or spring.
Apple Pear	Scale Insects and Blister Mites	Lime-Sulphur Sol. Dry Lime-Sulphur	1 pint 18-20 teaspoonful	Dormant and delayed dormant. When buds begin to swell.
	Psylla, Slugs, Scab and Codling Moth	Bordeaux Mixture or Dry Lime-Sulphur or Lime-Sulphur Sol. with Arsenate of Lead	12-16 teaspoonfuls 5-6 teaspoonfuls 1/5 pint 3-8 teaspoonfuls	1. Cluster or pink stage. 2. Calyx or petal fall. 3. Two weeks after petals fall.
	Later Codling Moth For blight at full blossom Blotch	Arsenate of Lead Bordeaux Dritomic Sulphur	3-8 teaspoonfuls 12-16 teaspoonfuls 3 teaspoonfuls	8 to 10 weeks after petals fall and as often as necessary to keep fruit covered with Arsenate of Lead, and a fungicide.
	Aphids (plant lice)	Black Leaf 40	1 teaspoonful	Combine with other spray and apply when Aphids appear.
Grape	Chewing Insects Black Rot-Mildew	Arsenate of Lead Bordeaux Mixture	2 teaspoonfuls 12-16 teaspoonfuls	1. After the blossoms fall. 2. Ten days to two weeks later.
	Leaf Hopper	Black Leaf 40	1 teaspoonful	Apply when first nymphs of the Hopper acquire wings.
Blackberry Dewberry Raspberry	Rose-Scab, Cane-Blight, Leaf-Spot and Anthracnose	Dry Lime-Sulphur	9 level tablespoonfuls	In spring before growth starts.
	Anthracnose	Dry Lime-Sulphur	2 1/2 level tablespoonfuls	Just before the bloom
Strawberry	Leaf-Spot, Flea Beetle and Leaf-Roller	Pestroy	7 level tablespoonfuls	1. Before the blossoms open. 2. As soon as the fruit has been picked.



SATSUMA PLUM

PERSIMMON

\$3.50 each

HACHIYA—The best and most popular variety. Large cone-shaped bright orange-red fruit with sweet, rich, soft flesh. Puckery only when not completely ripe.

PLUMS

DAMSON—Enormous crops of small purple fruit for preserving. September.

GREEN GAGE—Medium sized green fruit. Juicy and sweet. August.

HOLLYWOOD—Beautiful blood red plum with juicy, sweet flesh. Early. Foliage purple-red. Very much an ornamental in spring with clouds of pink flowers. Late June.

SATSUMA—Blood-red. For eating fresh or canning. August.

SANTA ROSA—You'll never taste a better plum. Purplish-red without, creamy yellow within. Large fruit. Sure and heavy producer. June.

POMEGRANATE

WONDERFUL—Attractive large shrubs with colorful red flowers followed by attractive odd-shaped fruits. Easily grown in hot, dry areas. \$1.50 each.

Distance Between Trees and Plants

Variety	Feet Apart
Orange and Lemon Trees.....	20 to 25
Peach, Plum, Apricot, Cherry.....	20 to 25
Pear and Apple.....	20 to 35
Almond	22 to 25
Grape Vines	6 to 10
Black and Boysenberry.....	6 to 7
Strawberry Plants	1½ by 3
Eucalyptus for Windbreak	4 to 8

BERRIES AND GRAPES

BLACKBERRY BOYSENBERRY YOUNGBERRY

The large berries are often 1½ inches long, have excellent keeping and shipping qualities. Fine for home use in pies, jellies and preserves, or fresh with cream. 25c each.

BOYSENBERRY, THORNLESS—Best for small gardens. Entirely free of thorns. Fruit identical with other variety.

STRAWBERRIES

IMPROVED KLONDIKE—This variety does well in hot sections. It is a vigorous grower, very prolific and yields over a long period. A medium size berry of good flavor and is an excellent shipper. 35c per dozen, \$2.50 per 100.

MASTODON, EVERBEARING—Mammoth sized berries, round in shape, medium dark red in color. An early producer bearing both fall and spring. 50c per dozen, \$3.50 per 100.

ASPARAGUS

MARTHA WASHINGTON—Early variety producing fine, tender tips. 2-yr. roots, dozen 75c.

DELICIOUS EUROPEAN GRAPES

Each 25c

BLACK HAMBURG—Jet black, firm, round, sweet. Tender skin. September.

BLACK MONUKKA—Black seedless. Larger and earlier than Thompson Seedless. Sweet, delicious and prolific. August.

BLACK MUSCAT—Highly flavored round grapes. Tender skin. August.

CONCORD—Deep blue American grape. Excellent for jelly, jam and grape juice. Best in colder sections.

MALAGA—Heavy crops of greenish grapes. Distinctive sweet flavor. Excellent keepers. August.

MUSCAT—Honey-sweet, tender skinned fruit. Heavy bearer. September.

RIBIER—Enormous black grapes in huge bunches. Sweet and firm. Tender skin. August.

THOMPSON SEEDLESS—Small green fruit in dense clusters. August.



STRAWBERRIES

CITRUS FRUITS

Ask for quotations.

Prices on the following Citrus trees are approximate only. A variation from season to season is to be expected.

ORANGES

WASHINGTON NAVEL—Large juicy seedless fruit. Ripe in early winter, before Christmas. Relatively shy bearer. \$7.50.

ROBERTSON NAVEL (Pat. 126)—Bears enormous crops which ripen three weeks ahead of the Washington Navel. Seedless, high quality fruits. \$8.50.

DILLER—Juicy, fine flavored orange ripening just after December 1. \$7.50.

HAMLIN—Early bearing sweet orange. Fruits good size. Trees rapid in growth. \$7.50.

VALENCIA—Vigorous heavy bearing tree. Best commercial variety for warm sections. Ripe from Feb.-May. \$7.50.

GRAPEFRUIT

MARSH SEEDLESS—Heavy bearing; practically seedless. Ripens from Dec. to May. \$7.50.

PINK MARSH SEEDLESS—Like the above but flesh a beautiful pink. \$7.50.

RUBY BLUSH—Fine flavored, highly colored seedless variety. \$7.50.

LEMONS

EUREKA—Uniform, medium size fruit. The leading variety for home and commercial planting. \$7.50.

PONDEROSA—Enormous lemons. Planted mostly as a curiosity, although the fruit is good. \$7.50.

CHINESE—Semi-dwarf, bears immediately after planting. Fine quality fruit. Quite hardy. \$7.50.

SEEDLESS (Pat.)—Entirely seedless, high quality fruit. \$8.50.

LIMES

SEEDLESS LIME—Large richly flavored fruits. Ripens in summer. \$8.50.



EUREKA LEMON

MEXICAN LIME—Small, pale green fruits, strongly acid and richly flavored. \$8.50.

TANGERINE

DANCY—Medium to large, flattened fruits. Very juicy and of fine flavor. \$8.50.

Other novelty stock available in small quantities.

NUT TREES

ALMONDS

\$1.50 each

NE PLUS ULTRA—Attractive meaty soft shelled nuts of large size.

NONPAREIL—Thrives in nearly all localities. Quality paper-shell nuts.

TEXAS—Exceptionally heavy crops of soft-shelled nuts. Full kernels.

PECANS

\$5.00 up

MAHON—A long nut of paper shell variety. Recommended for Arizona.

BURKETT—Large round, very thin-shelled variety. Easily shelled, meats coming out whole. One of the best for Arizona.

SUCCESS—Soft shelled, prolific self-fruitful. Very fat, fine quality meat.

WESTERN SCHLEY (Perfection)—Nuts long, thin-shelled. Rapid growing tree, bearing enormous crops even at an early age. Recommended pollinator for Burkett.

Number of Trees or Plants per Acre for Given Spacing

Distance Apart (ft.)	Number of Plants	Distance Apart (ft.)	Number of Plants
8 Feet.....	680	18 Feet.....	134
9 ".....	537	20 ".....	109
10 ".....	435	22 ".....	90
12 ".....	302	24 ".....	75
14 ".....	222	25 ".....	69
15 ".....	193	30 ".....	48
16 ".....	170	35 ".....	35



VALENCIA ORANGE



AUTUMN

CARE OF ROSES

During January and February warm weather usually brings on attacks of Aphis, Thrip and Mildew. Careful attention to spraying roses at first sign of these pests will keep them under control and produce finer flowers.

Refer to page 29 for listing of spray materials.



PICTURE

BUSH ROSES

The roses listed here are available "Bare Root" during January and February and the early part of March. After that time we usually have a small selection in cans at a slightly higher price.

Each \$1.00, unless otherwise noted.

AMI QUINARD—Long, pointed, blackish-garnet bud, opening to a cup-shaped flower. Very fragrant and vigorous growth.

AUTUMN—Burnt-orange, marked with red. Medium sized buds, opening to an attractive double and fragrant flower, framed by dark green heavy foliage.

BRIARCLIFF—Extra large perfect formed buds and flowers of an exquisite deep rose-pink. Color lighter on outside petals.

CALEDONIA—Long, pure white beautifully shaped buds. Long-lasting and very fragrant. Most beautiful and hardy of the white roses.

CECIL BRUNNER—A very dainty, baby rose, which comes in long blooming clusters of delicate light pink, fading after almost continual flowering. Very hardy.

CHATTILON—Large clusters of pink flowers with a whitish center. Ever-blooming.

CHRISTOPHER STONE—Long pointed scarlet bud opening to a large double flower of vivid scarlet with a velvety sheen. Striking damask perfume. Vigorous bushes. (See picture, back cover.)

CONDESA DE SASTAGO—Partially double, cup-shaped flowers. Scarlet inside, and bright yellow outside, on tall, slender stems.

DAINTY BESS—Single. The large flowers have a frilly edge. The inside of the petals is soft rose-pink, while the reverse is a deeper old-rose. The center is filled with a large mass of golden stamens on wine-red filaments.

DAME EDITH HELEN—Deep, heavy buds opening to a fine, fully-blown rose of glowing pink. Dame Edith produces many perfect cutting flowers.

DUQUESA DE PENARANDA—Long, pointed buds which open into a double, long lasting, scarlet flower with deep copper tones. Very good grower, with green, shiny foliage.

EDITOR McFARLAND—Well shaped long lasting buds of rose-pink. Free blooming rose with healthy foliage and bushy growth.

ETOILE DE HOLLANDE—The finest red-flower, ever-blooming bush. It produces the best of big red and open flowers.

FEDERICO CASAS—Coppery yellow and pink buds. Very similar to Talisman, but buds possibly better formed and the flowers more richly colored.

FEU JOSEPH LOOYMANS—Long, pointed buds opening to large cupped flowers of Indian-yellow.

FRAU KARL DRUSCHKI—Popular everblooming white. Immense buds tinged pink on outside. Flowers large, pure snowwhite.

GOLDEN OPHELIA—Long shapely buds, with continuous blooms of dark yellow shading to light yellow at base of petal. Hardy.

GOLDEN RAPTURE—A rich velvet yellow which does not fade. Mild fragrance. The finest rose of its color, and perfect in form.

HADLEY—Brilliant rich crimson-red flowers and buds, richly fragrant. Should be in all gardens. Excellent stems for cutting.

HINRICH GAEDE—A striking copper-orange rose, whose beauty and color baffle description. Brilliant, full double flowers of honey-sweet fragrance.

HINRICH WENDLAND—Two-toned nasturtium-red, reverse golden yellow.

HOOSIER BEAUTY—Continuous blooming. Old standby with beautiful well formed deep scarlet flowers of velvety texture.

INNOCENCE—Long tapering buds open to large single blooms of white.

J. OTTO THILLOW—Full double flowers of rich glowing rose-pink.

K. A. VICTORIA—Ivory-white, with plentiful and fine buds. Generally considered the best everblooming white rose in Arizona.

LOS ANGELES—Flame pink, shaded with golden yellow. It makes an enormous free-blooming hardy bush.

LULU—Particularly lovely buds, not much larger than a lead-pencil, with coppery-orange-pink tints.

McGREY'S YELLOW—Medium size perfectly formed buds with plenty of petals making a light buttercup yellow flower. Withstands heat very well and possesses excellent foliage.

MISS ROWENA THOM—Rosy-mauve combined with old gold, strong, free flowering.

MME. JULES BOUCHE—Always in bloom. Medium size buds and flowers. White flushed slightly with pink at the center. Fragrant.

MME. J. PERRAUD—Nasturtium-orange flushed shell-pink at petal's edge.

MRS. E. P. THOM—A deep, sweet scented lemon-yellow, developing from long buds. Free blooming and very disease resistant.

MRS. P. S. DUPONT—One of the very best yellow garden roses. Comparable with Mrs. E. P. Thom for its dependability in providing yellow buds.

MRS. SAM MCGREDY—A loose bud with open bloom of orange-vermilion, with yellow shading at the base.

NIGHT—This rose is almost black in color, so deep is its shade of crimson. The effect is heightened by the deep maroon shadings. Spicily fragrant.

PICTURE—A perfectly formed pink which is well named.

PINK RADIANCE—The ever popular two-toned pink.

PRESIDENT HOOVER—By far the best multi-tone because of its perfect shape, lasting quality and tremendous growth in Arizona, as well as its exceptional colors of yellow tinted pink with copper-orange.

RED HOOVER—A very popular deep red sport of President Hoover. Like the parent in every respect including the large shapely buds and flowers with the intense pleasing color.

RED RADIANCE—A bright purple-red, with vigorous, free blooming fragrant flowers. One of the standard garden roses.

ROSE MARIE—A very sweet-scented, pink-veined rose, of vigorous habit and long lasting flowers.

ROUGE MALLERIN—Pointed brilliant red buds opening to rich scarlet velvet flowers which do not blue. Old damask perfume. Strong, upright plants. Continuous bloomer.

SISTER THERESE—Long, slender, perfectly shaped yellow buds tinged with carmine. Very strong growing and free branching.

SNOWBIRD—Floribunda. One of the most perfect of small roses. Delightfully formed buds, frilled and graceful, opening to a many-petaled flower. White. Delightfully fragrant.

SUNBURST—An old variety but still a favorite. Long, pointed buds of soft, buff yellow.

TALISMAN—Brilliant orange-yellow-red multicolor, still a favorite.

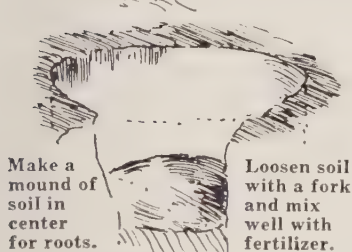
THE DOCTOR—An enormous large-petaled pink rose. Exquisite silver-pink, fragrant. A little extra attention in the garden will insure a good production of flowers.

VICTORIA HARRINGTON—Pointed blackish red buds opening to non-fading dark velvety red. Spicy fragrance.

NOTES ON PLANTING ROSES

PLANTING ROSES
Dig a hole large enough to spread roots comfortably.

Roses are shipped properly pruned for planting.



Loosen soil with a fork and mix well with fertilizer.



Plant so ground level is above the graft union.

Make a ring of soil to hold water first year.



Spread roots out full width. Do not crowd or bend over. Fill with good soil, tamp well and water.

CLIMBING ROSES

Roses listed here are available during January, February and early March. They are "Bare Root" stock but some will be available after March in cans at slightly higher prices.

PATENTED CLIMBERS

CL. COUNTESS VANDAL—Copper-salmon, identical with the bush type. A very handsome, clean growing climber. \$1.50.

CL. MRS. SAM MCGREDY—Long, coppery-orange buds, flushed yellow at the base, unfold to form perfect flowers of brilliant orange. During hot weather the flowers change to lively pink shades. Mild fragrance. \$1.00.

CL. TEXAS CENTENNIAL (Pat. 565)—A profuse blooming variety, its glorious flowers a rich luminous red without any other shadings. This is a really fine climber. \$1.50.

CLIMBING ROSES—GENERAL LIST

Each \$1.00, unless otherwise noted.

BANKSIA-YELLOW—Do not fade until they are ready to drop.

BELLE OF PORTUGAL—Immense flowers of flesh pink.

CL. CALEDONIA—One of the finest white roses grown and now is one of the best climbing roses offered. Lovely perfect buds of snowy white, deliciously fragrant.

CL. CECIL BRUNNER—The Sweetheart Rose in a climbing form.

CL. DAINTY BESS—A strong, clean growing ever-blooming climber. Single pink. Continuous bloom.

CL. ETOILE DE HOLLANDE—The best red climber. A profusion of glowing velvety scarlet, long-stemmed cutting roses the season through.

CL. HADLEY—Large, double, well formed flowers of rich crimson.

CL. K. A. VICTORIA—Very full, slightly fragrant, pure white flowers.

CL. LOS ANGELES—Pale, satiny pink, shaded with deep rose and gold.

MERMAID—Very large single blooms of clear, light yellow.

CL. MRS. E. P. THOM—The fine, long, buds open into perfectly shaped flowers of rich lemon-yellow.

PAUL'S SCARLET—Flowers large, well shaped, vivid scarlet red, fading but little.

CL. PRESIDENT HOOVER—A triumph among climbers. Flaming scarlet and yellow buds which open to large, soft, creamy yellow blooms tinged with deep rose on reverse.

CL. ROSE MARIE—A good rose-pink, fine for cutting.

CL. SUNBURST—A splendid reproduction of the bush variety. Free blooming and hardy.

CL. TALISMAN—Brilliant orange-red-yellow multicolor.

TREE ROSES

SELECTION OF TREE ROSES

Prices: Bare Root \$4.00

5-gal Can \$5.00

ETOILE DE HOLLANDE—Red.

GOLDEN RAPTURE—Yellow.

MRE. E. P. THOM—Yellow.

CALEDONIA—White.

J. OTTO THILOW—Pink.

MISS ROWENA THOM—Pink.

DUQUESA DE PENARANDA—Copper.

HINRICH GAEDE—Bronze pink.

MRS. SAM MCGREDY—Copper-orange.

PRESIDENT HOOVER—Two-tone yellow-red.

HEART'S DESIRE—Red. \$5.00.

TEXAS CENTENNIAL—Red. \$5.00.

NOVELTY ROSES

CHARLOTTE ARMSTRONG (Pat. 455)—Beautiful long, pointed buds of clear cerise-pink, opening to neatly tailored flowers. Petals margined by a thin silvery line. Vigorous mildew-resistant foliage, vigorous and free branching. \$1.50 each.

COUNTESS VANDAL (Pat. 38)—Elegant long buds. A blend of coppery-bronze, soft gold and pink. Large blooms, outer petals recurve with silvery reflex. Vigorous, hardy grower. \$1.50 each.

CRIMSON GLORY (Pat. 105)—Large double flowers from long pointed buds. Deep velvety crimson intensely fragrant and long lasting. Abundant leathery foliage. Continuous bloom. \$1.50 each.

ECLIPSE (Pat. 172)—Popularized and well known as the "Streamlined Rose", for the long tapering yellow buds enhanced by the narrow green calyx and truly streamlined. Rich golden yellow without shading. \$1.50 each.

HEART'S DESIRE (Pat. 501)—Awarded highest honors as the All-America Rose Selection of 1942. Long-stemmed buds open to shapely blooms of pure, luminous red that are exquisitely fragrant. The color is sun proof. A vigorous grower, free blooming, and free from disease. \$1.50 each. (See picture, page 17.)

LOWELL THOMAS (Pat. 595)—Very double high centered flowers of a lasting canary yellow. Large, long-pointed buds. Vigorous compact bush of upright habit and leathery foliage. \$2.00 each.

MIRANDY (Pat. 632)—Winner of All-America Rose Selections 1944. A fully double deep red rose from nicely pointed buds. Open flowers high-centered, excellent form, especially in cooler weather. \$2.00 each.

MME. CHIANG KAI-SHEK (Pat. 664)—Large, long-pointed buds opening to long-lasting, very large flowers of Empire yellow fading to lemon yellow as the flowers mature. Vigorous bush. \$2.00 each.



PEACE (Plant Patent No. 591)



CHARLOTTE ARMSTRONG (Plant Patent No. 455)



COUNTESS VANDAL
(Plant Patent No. 38)

MME. HENRI GUILLOT (Pat. 337)—Long, shapely buds of orange-red and rose opening to camellia-like blooms of rich raspberry pink with a suffusion of gold. \$1.50 each.

NOCTURNE—New red rose with long, streamlined buds of cardinal red. Large petals of rich texture will last a long time. Flower blooms lighter in hot weather. Very fragrant. Stem long with semi-glossy foliage. \$2.00 each.

PEACE (Pat. 591)—Large cup-shaped high centered flowers of beautiful yellow, sometimes showing a rose-pink edge where the petals turn over. Buds large, ovoid. Flowers borne singly and are very double. Free and continuous bloomer. \$2.50 each.

PINKIE—A unique little polyantha or baby rose of dainty pink. Buds are long, slender and perfect in detail. Fully open, the flower is about 2 inches across. Blooms early in spring until late fall. Blooms in clusters and keep open several days. Glossy foliage and makes good dwarf rose hedge or border. \$2.00 each.

PINOCCHIO—Most popular of florabunda roses in recent years. Salmon buds flushed gold at base, opening to soft pink. Blooms shaded deeper at edges. \$1.25 each.

TAFFETA—Fragrant buds in rich pink and salmon tones. Long stems with perfectly formed buds. Good foliage and very hardy. \$2.00 each.

TEXAS CENTENNIAL (Pat. 162)—Blood red sport of Pres. Hoover. Tight buds and high centered flowers toned cerise at center. More carmine in hot weather. \$1.50 each.

THE CHIEF (Pat. 456)—Long urn-shaped buds of unusual orange pink, with deeper and more intense shadings of flame, coral and copper. An ideal rose. Mildew resistant. \$1.50 each.

WILL ROGERS (Pat. 256)—Dark velvety crimson in color. Strong and luxuriant in growth. \$1.25 each.

POLYANTHA ROSES

These little roses are continually in bloom with their clusters of small flowers for which they have been called "Baby Roses". Polyanthas are often used in beds for the show of flowers or because of the dwarf habit to line the beds of the rose garden.

CECILE BRUNNER—Tiny flowers. Buds pink, shaded to salmon. Always in bloom. This rose is very different from the usual large flowered roses. \$1.00.

CHATILLON—Huge clusters of semi-double flowers. Bright pink with a suggestion of orange. \$1.00.

DAGMAR SPATH—Pure white flowers produced in large showy trusses all summer. One of the best white Polyanthas. \$1.00.

FOLKESTONE—Bright red single flowers in good size clusters. Makes an ideal flowering hedge. \$1.00.

PINOCCHIO—Most popular of floribunda roses in recent years. Salmon buds flushed gold at base, opening to soft pink. Blooms shaded deeper at base. \$1.25.

PINKIE—A unique polyantha or baby rose. Buds long, slender and perfect in detail. Open flowers 2 inches across, keep open several days, appear in clusters from spring to late fall. \$2.00.



HEART'S DESIRE (Plant Patent No. 501)



ECLIPSE (Plant Patent No. 172)

BULBS

In warmer sections of Arizona we suggest that bulbs be planted in the garden in October. Most of them will then bloom with the first few warm days of early spring. In the colder sections of Arizona later planting is necessary.

Bulb beds are very colorful when sown to an annual bulb cover. We suggest Alyssum, Linaria, Nemesia, Nemophila and Virginian Stocks. These shallow plants don't injure the bulbs.

AMARYLLIS

GIANT HYBRIDS—Bears clusters of large, showy, wide open trumpets on stout stems. Almost evergreen. Various colors from white to red. Each 50c.

BELLADONNA—The pink Amaryllis flowers when the leaves have died down. Nice foliage in spring. Each 35c.

ANEMONE

Showy poppy-like flowers; fern-like foliage close to the ground. One foot tall; an ideal companion for Ranunculus.

THE BRIDE—Pure white. 90c per doz.

BLUE POPPY—Bright blue. 90c per doz.

HIS EXCELLENCY—Bright red. 90c per doz.

BALANCED MIXTURE—Contains all colors. 75c per doz.

CALLA LILIES

These bulbs are excellent for growing in shady locations, with lots of moisture. They grow approximately 1½ to 2 feet tall.

AETHIOPICA—White. Large, pure white flowers on long stems. 35c each.

PINK CALLA—Very unusual dwarf calla. Flowers are rose-pink changing to cerise. 40c each.

DAFFODILS

Most popular bulb of the narcissus family. Most bulbs are large, double nosed varieties.

KING ALFRED—The largest flowered daffodil with extremely large, deeply frilled trumpet and broad petals. Rich golden yellow. \$1.50 per doz.

DAFFODIL MIXTURE—Contains grand assortment of the finer large trumpets. \$1.25 per doz.

FREESIAS

Fragrant, pretty flowers especially fine for cutting. Wide range of colors. Best in sun where they will receive a generous amount of moisture during growth. 60c per doz.



DAFFODILS IN GARDEN

GLADIOLUS

These lovely flowers need no description. A favorite cut flower for summer gardens. Plant in succession for continued flowers for cutting.

Single Colors: \$1.10 per doz. Mixed Colors: \$1.00 per doz.

CHARLES DICKENS—Purple-violet.

MAID OF ORLEANS—Creamy white.

MARGARET FULTON—Rich, deep salmon. Early.

MINUET—One of the best lavenders.

PICARDY—Soft apricot-pink.

RED PHIPPS—Brilliant scarlet.

YELLOW EMPEROR—Rich yellow.

MIXED—Balanced mixture, No. 1 bulbs.

HYACINTHS

Very fragrant early flowering bulb. Does well either indoors or in the garden. Available in several colors.

Bulbs from Holland: 35c each, \$3.50 per dozen.

LA VICTOIRE—Bright carmine-rose.

KING OF THE BLUES—Deep blue.

GERTRUDE—Deep pink.

YELLOW HAMMER—Vivid yellow.

L'INNOCENCE—Pure white.

DUTCH IRIS

Beautiful orchid-like flowers in spring. For sun or part shade, where they make lovely groups.

BLUE and YELLOW—Per doz. \$1.00.

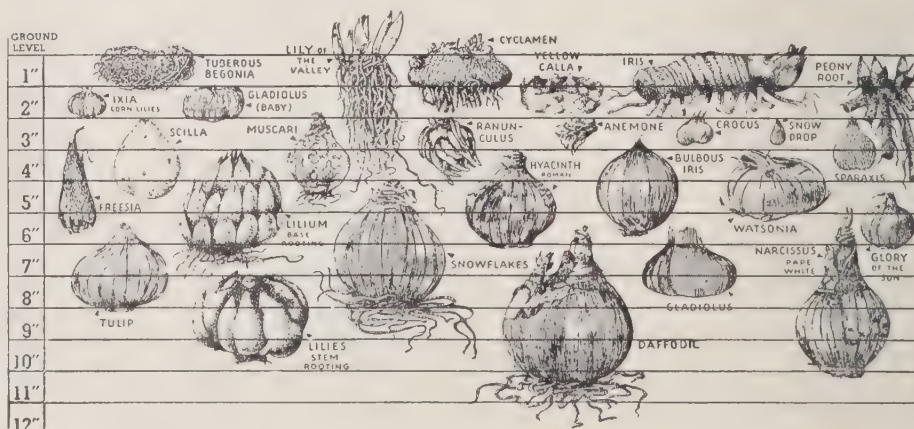
MIXED COLORS—Per doz. 85c.

JONQUILS

Very similar to daffodils. Per doz. \$1.25.



TULIP, CLARA BUTT



LACHENALIA

LACHENALIA AUREA (Golden Cows'ip)—One of the finest bulbs of recent introduction. Blooms very early. From a tuft of marbled leaves rise long-lasting spikes of golden yellow tubular flowers, 25 to a stem and pendulous. Attractive as a pot plant. Doz. 85c.

LEUCOJUM

LEUCOJUM VERNUM (Snowflake)—For shady places. Long, narrow leaves and clusters of dainty white bell-shaped flowers. Each petal bears a neat, green spot. Doz. 85c.

NARCISSUS

Small flowered types. Very popular for use in bowls in the house. Grows well in water with pebbles.

PAPER WHITES—All white flowers. Doz. 75c.

CHINESE LILY—White, yellow cup. Doz. 75c.

SOLEIL D'OR—Two shades of yellow. Doz. 75c.

GUERNSEY LILY

NERINE SARNIENSIS—Spidery clusters of coral red flowers on long stems. Appear after the leaves have gone. Water sparingly when dormant. Doz. \$2.00.

RANUNCULUS

Popular double flowers of fine texture and lovely colors. Unexcelled as bedding and cut flowers. They succeed best in a sunny place in a light fertile soil.

MIXED COLORS—Per doz: Jumbo, \$1.00; Top size, 85c; Medium size, 65c; Small size, 50c.

SEPARATE COLORS—Red, white, orange, pink and yellow. Per doz. \$1.25.

REGAL LILY

Long flaring white trumpets on 3-foot stems. Flowers pink on reverse, creamy throats. Each 30c.

SPARAXIS

Showy cup-shaped flowers on 1-foot stems. In many colors including orange, scarlet, salmon, yellow, pink and lavender with black edged center and various lilac markings. Per doz. 75c.

TIGER LILY

Late flowering and a very popular, colorful lily, bright orange-red with purple spots. Each 30c.

TIGRIDIA

Mexican Shell Flower. A glorious group of very colorful bulbs. Late season, Fiesta colors. Each 30c.

TUBEROSES

Fragrant white flowers on 2-foot stems. Light green leaves. Popular old-fashioned bulb. Each 10c, per doz. \$1.00.



RANUNCULUS

TULIPS

Plant in shady locations.

Bulbs from Holland: \$1.50 per dozen.

BLUE AIMABLE—Bluish heliotrope.

CLARA BUTT—Salmon-pink.

FARNCOMBE SANDERS—Brilliant scarlet.

INGLEScombe YELLOW—Canary yellow.

DARWIN MIXTURE—Well balanced mixture of named varieties.

VEGETABLE SEEDS for Arizona Gardens

Selected List of Best Varieties

All Vegetable Seeds 10c per pkt. For Larger Quantities Ask for Prices.

FRESH VEGETABLES FROM YOUR GARDEN ASSURE YOU OF ONLY THE BEST. IT DOES NOT TAKE MUCH EFFORT TO GROW DELICIOUS VEGETABLES. SEE PLANTING GUIDE ON PAGE 22 FOR DATES FOR PLANTING VEGETABLES.

ASPARAGUS—Green.

BEANS—Golden Wax. Bush. Tennessee Green Pod. 53 days.

Kentucky Wonder. 67 days.

Blackeyed Peas.

Baby Lima Bush. 70 days.

BEETS—Early Arizona. 55 days.

Early Blood Turnip. 60 days.

Crimson Globe. 58 days.

BROCCOLI. 70 days.

BRUSSEL SPROUTS. 80 days.

CABBAGE—Premium Late

Flat Dutch. 110 days.

Early Arizona. 90 days.

CARROTS—Improved Long

Orange. 85 days.

Danvers Half Long. 75 days.

Imperator. 74 days.

CAULIFLOWER—

Snowball. 57 days.

CELERY—

White Plume. 115 days.

CORN

Country Gentleman. 90 days.

Golden Bantam. 80 days.

Honey June Corn. 92 days.

Pop Corn. 100 days.

CUCUMBERS

Lemon Queen. 64 days.

Klondike.

Snow Pickling. 54 days.

Telegraph or Climbing 72 days.

ENDIVE

Green Curled. 95 days.

EGG PLANT

Black Beauty. 80 days.

HERBS—Catnip, Chives, Dill,

Morshound, Sage, Thyme.

KALE

Norman's Dwarf. 55 days.

KOHL RABI—Early Purple

Vienna. 60 days.

LEEK**LETTUCE**

Early Prizehead. 80 days.

Iceberg. 80 days.

Leaf. 40 days.

Cos or Romaine. 60 days.

MELONS—Casaba.

Honey Dew. 105 days.

Muskmelons, Hale's Best.

Muskmelon, Rocky Ford.

Muskmelon, Tip Top.

MUSTARD—Fordhook Fancy

or Ostrich Plume. 60 days.

OKRA

Dwarf Green. 50 days.

ONION

Crystal White. 92 days.

Sweet Spanish. 110 days.

White Bunching.

Onion Sets—

White. 35c lb.

Brown. 25c lb.

PARSLEY

Champion or Moss Curled.

PARSNIP

Hollow Crown. 95 days.

PEAS

American Wonder Bush.

Laxton's Bush.

Norman's Small Pole.

PEPPER

Arizona Giant Bell. 75 days.

PUMPKIN

Sugar or Pie. 115 days.

RADISH—Chartier. 30 days.

Early Scarlet White Tipped.

25 days.

Norman's Delicious Icicle.

80 days.

RUTABAGA—Early American

Purple Top. 90 days.

SPINACH

New Zealand. 70 days.

Frickly Winter. 45 days.

SQUASH

Summer Crookneck.

White Bush Scallop. 50 days.

Yellow Bush Scallop. 50 days.

Zucchini. 60 days.

Buttercup. 100 days.

SWISS CHARD

Silver Leaf. 50 days.

TOMATO—Beefsteak. 65 days.

Earliana.

Marglobe Supreme. 77 days.

New Stone. 86 days.

Norman's Yellow Pear. 80 days.

TURNIP—Early Arizona.

Purple Top Strap Leaf.

WATERMELON

Tom Watson. 90 days.

Wondermelon. 85 days.

Klondike. 85 days.

NORMAN'S SELECT FLOWER SEEDS

Norman's Seed Department is one of the most complete in Arizona. We buy seed in small quantities from the World's largest growers of fine flower seeds and packet them as needed. You can always depend on Norman's for the best in fresh flower seeds.



CALIFORNIA POPPY



COSMOS



GAILLARDIA. THE DAZZLER

AFRICAN DAISY (*Dimorphotheca*)—Popular winter flowering annual in Arizona. Blooms from 6 to 8 weeks of sowing. One foot high, used extensively for beds, borders, and parking strips.

Orange—Large flowers, bright orange. **Mixed Hybrids**—Includes many exquisite color forms from white through light pink, apricot, yellow and orange.

Either of above: Pkt. 10c.

AGERATUM, Midget Blue—Very beautiful dwarf annual making little mounds of blue, 2 to 3 inches high. For edgings, borders and rock gardens. Very choice, blooms all summer, sun. **Pkt. 10c.**

ALYSSUM—Choice low-growing annuals blooming in 6 to 8 weeks of sowing. Much used to cover bulbs, as edging plants or as a winter cover to barren places, sun.

Dwarf Gem—Compact, 4 to 6 inches high, white, fragrant flowers. **Pkt. 10c, oz. 75c.**

Lilac Queen—A beautiful lilac shade, mixing well with white. **Pkt. 10c, oz. 75c.**

Violet Queen. New bright violet dwarf. 6 inches. **Pkt. 10c, oz. 75c.**

Carpet of Snow—Very dwarf. **Pkt. 10c, oz. 75c.**

Sweet Alyssum—8 to 10 inches, flowers honey-scented, white. Excellent ground cover plant, sown broadcast. **Pkt. 10c, oz. 75c.**

Norman's Select Mixed—Well blended mixture of dwarf white and violet Alyssums. **Pkt. 10c, oz. \$1.00.**

ARABIS, Rock Cress—Dwarf spreading habit, silvery grey leaves and white flowers. Suitable for the rock garden. **Pkt. 10c.**

ARCTOTIS—Similar to the African Daisy. Should be planted in the fall for spring flowers.

African Lilac Daisy—Large pearly white Marguerite-like flowers with delicate mauve center. Sow in fall or early spring. 2 feet, sun. **Pkt. 10c.**

Norman's All Color Selection—Many shades of pink, rose, yellow, with dark centers. 1 foot, flowers on long ivory stems. **Pkt. 10c.**

ASTER, Giants of California Single Mixed—Asters generally are not satisfactory in the warmer parts of Arizona. This type is excellent and showy. Flowers white, pink or blue. **Pkt. 10c.**

BACHELOR'S BUTTON (*Centaurea cyanus*). Hardy annuals, requiring little care. Grow 12 to 14 inches high and freely producing lovely many-petaled flowers all summer, sun.

Double Mixed—Light and dark blue, pink, white and red. **Pkt. 10c.**

Norman's Dwarf Border Type—Dwarf blue. **Pkt. 10c.**

Norman's Super Double Blue—Dark blue flowers, very double. Grows 12 inches high. Excellent cut flower. **Pkt. 10c.**

CALENDULA—Popular showy flowers for winter and spring gardens. Grows 12 to 18 inches. Excellent for beds, borders or cutting, sun.

Chrysanth—Large buttercup yellow, chrysanthemum-flowered. **Pkt. 10c.**

Lemon Queen—Beautiful lemon-yellow. **Pkt. 10c.**

Orange—Most popular of all. Dark orange, fully double. **Pkt. 10c, oz. 50c.**

Orange Shaggy—Large flowers, dark orange petals deeply fringed and overlapping. **Pkt. 10c, oz. 50c.**

Radio—Flowers orange, almost round. Petals frilled. **Pkt. 10c, oz. 50c.**

Mixed—Wonderful mixture of orange and lemon yellow tints. **Pkt. 10c, oz. 50c.**

Norman's Giant Art or Pastel Shades Mixed—Contains only pastel shades. **Pkt. 10c, oz. 50c.**

CALIFORNIA POPPY—Low growing annuals with showy profusion of brightly colored flowers.

Single Mixed—Single row of petals. **Pkt. 10c.**

Double Mixed—Full petals. **Pkt. 10c.**

Golden West—Golden yellow flowers. **Pkt. 10c.**

CANDYTUFT, White Hyacinth Flowered—One of our best plants for borders, edging and cutting. Flowers in large clusters in spring. Sow from September to early spring. 12 to 18 inches high. Sun. **Pkt. 10c, oz. 50c.**

CANTERBURY BELLS, Cup and Saucer—A popular biennial but will bloom in spring if planted in early fall. Large bell-shaped flowers with an interesting saucer-like base. White, pink, and blue. Sun. **Mixed only. Pkt. 10c.**

CARNATIONS, Giant Double Mixed—This type has flowers of good size, fully double—just like florists' carnations. Perennial, growing about 12 inches high. Easily grown from seed. East exposure. **Pkt. 10c.**

CHRYSANTHEMUM, Painted Daisy—Showy annual growing about 2 feet high. Finely cut foliage and brilliantly colored single flowers. Sun. **Pkt. 10c.**

CLARKIA, Mixed—Lovely annuals with brilliant and attractive flowers in many colors. Easily grown; excellent for cutting as all the buds open in water. Sun. **Pkt. 10c.**

COCKSCOMB—One of the showy flowers of summer. Does best when planted in a very sunny location.

Celosia Christata—Bright red cockscomb. 2½ to 3 feet tall. Sow in early spring and summer bloom. Give plenty of moisture. Sun. **Pkt. 10c.**

Norman's Super Bantam, Mixed—Dwarf. Comes in beautiful colors. **Pkt. 10c.**

Fine Feathered Mixed—Tall, leafy stems with plume-like flowers. An excellent filler for bouquets. **Pkt. 10c.**

Starting about September 15th, through May, we carry a full line of flower plants in flats that will give you several weeks' head start over seeds. Available are mixed and straight colors of Snapdragon, Stock, Verbena, Larkspur, Calendula, Carnation, Petunias (both single and ruffled), Pansy, and many others.

ASK FOR COMPLETE LIST OF VARIETIES AND PRICES



AGERATUM, MIDGET BLUE

COLUMBINE, Arizona Rocky Mountain—Perennial. Growing 2 to 3 feet with showy long spurred flower. Fine for the shady border. **Pkt. 10c.**

COREOPSIS, Mayfield Giant—Popular perennial succeeding anywhere. Rich golden flowers on tall graceful stems. 2 to 3 feet. A fine cut flower. **Pkt. 10c.**

COSMOS—Another fine flower that loves the sun during the summer time. Will grow to height of between four and eight feet.

Sensation, Mixed—Hardy rapid-growing annual, 4 to 6 feet high. Fine cut foliage and showy flowers in white and pink. **Pkt. 10c.**

Klondyke Orange Flare—Same as above, flowers orange. **Pkt. 10c.**

DELPHINIUM, Giant Spire—Long clustered spikes in charming shades. Effective in groups in the background. Fine for cutting. East exposure. Perennial. **Mixed colors. Pkt. 10c.**

DOUBLE DAISY—Old favorite, low-growing perennial, for edging, borders and rock gardens. Sun. **Pkt. 10c.**

EUPHORBIA (Snow-on-the-Mountain)—Beautiful green foliage broadly marked with silvery white. Annual, 2 feet. Sun. **Pkt. 10c.**

FOUR O'CLOCKS (Marvel of Peru)—An old-time favorite hardy annual. Forms bushy plants two feet high and covered with red, rose, yellow and white flowers. **Pkt. 10c.**

FORGET-ME-NOTS—Small delicate blue flowers. Excellent for shady places. **Pkt. 10c.**

FOXGLOVE (Digitalis Mixed)—3 to 5 feet. Sow out of doors in fall. Prefers a cool, damp location. **Pkt. 10c.**

GAILLARDIA—Showy summer-flowering plants for bedding, borders and cutting. Sun.

Dazzler—Perennial. Vivid orange petals with golden yellow ring on outer edge. **Pkt. 10c.**

Norman's Annual Double Mixed—A beautiful double mixture. A worthy addition to the Gaillardia family. **Pkt. 10c.**

GODETIA, Double Mixed—Showy annual especially good in light shade or sun. Flowers silky in texture and attractive. Crimson, salmon, pink and white. **Pkt. 10c.**

GOMPHRENA (Globe Amaranth)—Annual everlasting growing 18 inches high with globe-shaped flowers in a variety of colors. Set plants one foot apart. **Pkt. 10c.**

GYPSOPHILA (Babysbreath) Annual—Graceful sprays of half-inch wide flowers. Excellent as fillers for bouquets. Nice foliage. Sun.

Pink—Dainty flowers of delicate pink. **Pkt. 10c, oz. 25c.**

White—Most popular pure white. **Pkt. 10c, oz. 25c.**

HOLLYHOCKS—No flower is as well known as Hollyhock. They are very effective planted in the background or against a wall where their tall spikes can display their beautiful flowers. Sun.

Double Mixed—**Pkt. 10c.**

Single Mixed—**Pkt. 10c.**

JOHNNY JUMP UP—A popular old favorite diminutive pansy. Flowers have a purple edge and white to yellow center. Excellent for shady location. **Pkt. 15c.**

LARKSPUR, Giant Imperial—Finest strain of annual larkspur. Large, showy, double flowers in lovely well-branched sprays.

Blue Bell—A superb blue.

Blue Spire—Deep violet blue.

Miss California—Non-fading pink.

Red.

White Spire—Clear glistening white. Any of above: **Pkt. 10c, oz. \$1.00.**

Norman's Giant Imperial Mixed—**Pkt. 10c, oz. \$1.00.**

LINARIA, Fairy Bouquet, Mixed—Flowers like miniature snapdragons on plants 10 to 15 inches high. Showy mixture includes rose, lavender, yellow and blue. Sun. **Pkt. 10c.**

LINUM—Graceful plants with round-faced shallow cup-like flowers in attractive showy clusters. Sun.

Annual Scarlet Flax—2 foot annual, bright red. **Pkt. 10c.**

Perennial Blue Flax—2 foot perennial, light blue. **Pkt. 10c.**

LOBELIA, Emperor William—Beautiful dwarf plant 4 to 6 inches high particularly useful for bedding and edging. Bright blue flowers. **Pkt. 10c.**

LUPINES—Easily grown showy plants with long narrow clusters of brightly colored pea-shaped flowers. Borders and excellent for cutting. **Pkt. 10c.**

Annual Lupines—Mixed colors. **Pkt. 10c.**

Russell Lupines—Large stately spikes in a variety of new, rich colors. **Pkt. 15c.**



LARKSPUR

MARIGOLDS—These showy annuals are among the showiest summer flowers. Easy to grow, like full sun. Best in light soil. Sun.

African Mixed—Fine mixture of the best sorts. **Pkt. 10c.**

Dwarf French Harmony—Flowers scabiosa-like with deep yellow center flanked with broad velvety maroon-brown petals. Early summer. Dwarf. **Pkt. 10c.**

Mission Giant, Goldsmith—Giant chrysanthemum-flowered golden orange full double flowers. Bushy plants, early and free-flowering. **Pkt. 25c.**

Norman's Super Yellow Supreme—Creamy lemon-yellow, loosely ruffled broad-petaled flowers. 2½ feet. **Pkt. 10c.**

Pot o'Gold—Dwarf and compact plants, well-branched and neat in habit. Flowers large, loosely formed but with very full centers. Bright deep golden orange. **Pkt. 25c.**



NASTURTIIUM, GOLDEN GLEAM



ALYSSUM, VIOLET QUEEN



MARIGOLD, GOLDSMITH



LIGHTNING

QUALITY

INSECTICIDES

SAFE - SURE - ECONOMICAL
Your Guarantee of the Finest
MADE IN THE WEST
FOR WESTERN CONDITIONS

Manufactured by
WORLD SPRAY CO.
4609 Avalon Blvd. Los Angeles, Calif.



NEMESIA

Proper Planting Dates for Vegetables, Flowers, Bulbs

For the colder sections of Arizona the time of planting should be determined by the weather conditions. In Northern Arizona and in the higher altitudes most of the varieties listed here should be planted in the spring, after all danger of frost is past.

January

VEGETABLE SEEDS—Asparagus, Beets, Cabbage Plants, Carrots, Cauliflower Plants, Endive, Kale, Kohlrabi, Lettuce, Mustard, Onions, Parsley, Parsnips, Peas, Radishes, Spinach, Turnips, Strawberry P'ants.

FLOWER SEEDS—African Daisy, Bachelor Buttons, Calendula, Candytuft, Carnation, Chrysanthemum, Coreopsis, Double Daisy, Gaillardia, Gypsophila, Hollyhock, Larkspur, Linaria, Linum, Moon Vine, Mignonette, Nemophila, Pansy, Petunia, Phlox, Pinks, Poppies, Salpiglossis, Shasta Daisy, Scabiosa, Stocks, Snapdragon, Sweet Alyssum, Virginian Stocks, Verbena, Venidium.

BULBS—Calla Lily, Chinese Li'y, Daffodils, Freesias, Gladiolus, Jonquils, Paper White Narcissus, Tulips, Ranunculus.

February

VEGETABLE SEEDS—Asparagus Roots, Beets, Cabbage Plants, Carrots, Endive, Kale, Kohlrabi, Lettuce, Mustard, Okra, Onion Sets, Parsley, Parsnips, Peas, Radish, Squash, Tomatoes, Turnips.

VEGETABLE PLANTS—Egg Plant, Pepper, Tomato in the warmest section.

FLOWER BEDS—African Daisy, Bachelor Button, Calendula, Carnation, Candytuft, Chrysanthemum, Coreopsis, Four o'Clock, Gaillardia, Gypsophila, Gerbera, Hollyhocks, Kochia, Larkspur, Linaria, Lobelia, Moon Vine, Morning Glory, Nemophila, Nasturtium. Other Vine Seeds, Pansy, Petunia, Pinks, Scabiosa, Salpiglossis, Scarlet Flax, Shasta Daisy, Snapdragon, Sweet Alyssum, Virginian Stocks, Verbena, Venidium.

BULBS—Calla Lily, Chinese Lily, Gladiolus.

March

VEGETABLE SEEDS—Asparagus Roots, Beans, Beets, Carrots, Corn, Cucumbers, Egg Plant, Endive, Kale, Kohlrabi, Lettuce, Melons, Mustard, Okra, Onion Sets, Peas, Pepper, Pumpkin, Radish, Spinach, Squash, Tomato Seed.

VEGETABLE PLANTS—Egg Plant, Pepper, and Tomato.

FLOWER SEEDS—All Vine Seeds, Cockscorn, Cosmos, Four o'Clocks, Gaillardia, Gomphrena, Hollyhock, Kochia, Larkspur, Marigold, Morning Glory, Nasturtium, Petunia, Portulaca, Salpiglossis, Scarlet Fax, Sweet Alyssum, Tithonia Speciosa, Verbena, Zinnia, Venidium.

MEXICAN FIRE BUSH (Kochia childsi)—Also called Burning Bush, or Summer Cypress. An attractive quick-growing foliage plant. Leaves fine and feathery, bright green, becoming deep carmine red, finally bright flame red in fall. Sun. Pkt. 10c.

MIGNONETTE, Norman's Select Mixed—Flowers in cone-shaped clusters, not showy but delightfully and pleasingly scented. Plants 12 inches high. Sun. Pkt. 10c.

NASTURTIUMS—For dry, poor soils, nasturtiums have no equal. Sow in early spring. Sun.

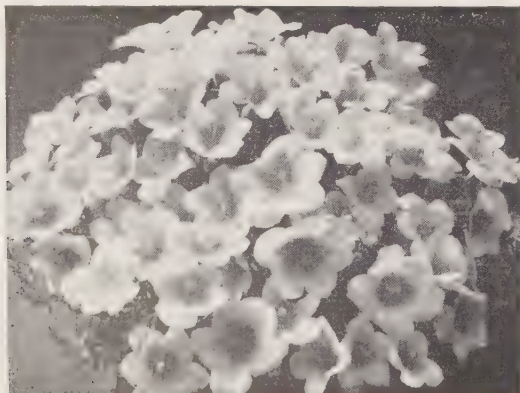
Double Mahogany—Semi-dwarf, double deep mahogany red, fragrant. Pkt. 10c, oz. 50c.

Double Scarlet Gleam—Double scarlet flowers. Pkt. 10c, oz. 50c.

Norman's Double Golden Gleam—Double fragrant flowers in long strong stems above the leaves. Pkt. 10c, oz. 50c.

Norman's Special Dwarf Double Gem Mixture—Dwarf, compact plants ideal for borders and edging. Semi-double, sweetly scented flowers. Pkt. 10c, oz. 50c.

Tall or Climbing, Mixed—Unusually large single flowers. Seed pods may be picked while still green and used for pickling. Pkt. 10c, oz. 50c.



NIEREMBERGIA HIPPOMANICA

NEMESIA, Mixed—Dwarf free-flowering annual, good for low borders. The wide range of showy colors and freedom of bloom place them among the showiest of garden flowers. **Pkt. 10c.**

NEMOPHILA, Baby Blue Eyes—Grows 6 inches high with cup-shaped delicate blue flowers. For carpet bedding and cover for bulb plantings. **Pkt. 10c.**

NICOTIANA, Flowering Tobacco, Norman's Special Mixture—These colorful annuals grow about 3 to 4 feet and for a long time literally blaze with sweetly fragrant long tubular blooms. **Pkt. 10c.**

NIEREMBERGIA hippomanica, Norman's Special (Dwarf Cup Flower)—Little low perennial seldom over 6 inches high freely covered with sheets of lavender cups with yellow centers. **Pkt. 25c.**

April

VEGETABLE SEEDS—Asparagus Roots, Beans, Beets, Celery, Corn, Cucumber, Egg Plant, Endive, Kale, Kohlrabi, Melons, Okra, Pumpkin, Radish, Squash.

VEGETABLE PLANTS—Egg Plant, Pepper, Tomato.

FLOWER SEED—Cosmos, Cockscorn, Gaillardia, Gomphrena, Hollyhocks, Kochia, Morning Glory, all Vine Seeds, Portulaca, Tithonia, Zinnia.

May and June

VEGETABLE SEEDS—Beets, Kale, Melons, Pumpkins, Squash.

FLOWER SEEDS—African Marigold, Cosmos, Morning Glory, Nicotiana, Portulaca, Tithonia, Vine Seed, Zinnia.

July

VEGETABLE SEEDS—Brussels Sprouts, Casaba, Corn, Pumpkin, Squash.

FLOWER SEEDS—Cosmos, Morning Glory, Portulaca, Tithonia, Vines, Zinnia.

August

VEGETABLE SEEDS—Beans, Beets, Cabbage, Carrots, Cauliflower, Corn, Cucumber, Kale, Peas, Pumpkin, Squash, Turnips.

FLOWER SEEDS—Cosmos, Nasturtiums, Phlox, Portulaca, Tithonia, Virginian Stocks, Zinnia.

September and October

VEGETABLE SEEDS—Beets, Cabbage, Carrots, Cauliflower, Endive, Kale, Kohlrabi, Lettuce, Mustard, Onion, Parsley, Parsnips, Peas, Radish, Spinach, Turnips.

VEGETABLE PLANTS—Cabbage, Cauliflower.

FLOWER SEEDS—African Daisy, Bachelor Button, Calendula, Candytuft, Carnation, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Gaillardia, Gypsophila, Hollyhocks, Larkspur, Linaria, Mignonette, Moon Vine, Nemophila, Nicotiana, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Snapdragons, Stocks, Sweet Alyssum, Sweet Peas, Sweet William, Verbena, Virginian Stocks, Vinidium.

BULBS—Anemone, Daffodils, Freesias, Iris, Narcissus, Paper White, Soleil d'Or (Yellow Paper White), Ranunculus.

Plant after October 1—All bulbs listed on page 18.

November and December

VEGETABLE SEEDS—Beets, Cabbage, Carrots, Cauliflower, Endive, Kale, Lettuce, Mustard, Onions, Parsley, Parsnip, Peas, Radish, Spinach, Turnips.

VEGETABLE PLANTS—Cabbage, Cauliflower.

FLOWER SEEDS—African Daisy, Calendula, Candytuft, Carnation, Clarkia, Columbine, Coreopsis, Delphinium, Daisies, Gaillardia, Gypsophila, Hollyhock, Larkspur, Linaria, Mignonette, Moon Vine, Nemophila, Nicotiana, Pansy, Petunia, Phlox, Pinks, Poppies, Scabiosa, Snapdragons, Stocks, Sweet Peas, Sweet William, Verbena, Virginian Stocks, Vinidium.



PANSY, NORMAN'S SELECT GIANT

PANSY—An excellent low growing annual for shady places. Plant in fall to give abundant flowers in early spring and summer.

Pansy, Norman's Select Giant Mixed—A selection of giant-flowering varieties. Very showy. Compact, vigorous strain. **Pkt. 25c.**

Fine Mixed—Smaller flowered strain, but equally colorful. Rich loose soil and a moist shady location are desirable for better flowers. **Pkt. 10c.**

PENSTEMON, Norman's Arizona Giants, Mixed—Very showy tubular flowers. Often 2 inches long and an inch or so across the mouth, 2 feet, sun. **Pkt. 10c.**

PETUNIAS—Seeds are very fine and need be sown carefully on surface of finely pulverized soil, well lightened with sand and peat or manure. Sun.

PETUNIA HYBRIDS—Spreading Types

Howard Star—Reddish-purple flowers with a white central star. **Pkt. 10c.**

White King—Pure white. **Pkt. 10c.**

Single Mixed—Choice mixture of many lovely colors. **Pkt. 10c.**

NANA ERECTA—Dwarf, Compact Bedding Types

Celestial Rose—Compact, deep rose. **Pkt. 10c.**

Rosy Morn—Dwarf. Rose with white throat. **Pkt. 10c.**

GRANDIFLORA—Giant Single Flowered

Burgundy—Rich wine red, contrasting white throat. **Pkt. 10c.**

Elk's Pride—Largest dark velvety purple. **Pkt. 10c.**

Flaming Velvet—Luscious velvety blood red. **Pkt. 10c.**

MINIATURE

Salmon Supreme—Perfect small, round plant 6 to 9 inches high. Flowers a lovely salmon-pink. **Pkt. 15c.**

Dwarf Mixed—**Pkt. 15c.**

GIANTS OF CALIFORNIA

Norman's Select—Fringed and ruffled. The finest large flowering strain of single petunias. Very deep throat, beautifully veined, mixed colors. **Pkt. 25c.**



VERBENA. ARIZONA GIANTS



PHLOX. SALMON GLORY



ZINNIA. CROWN O' GOLD, PASTEL

PHLOX—Showy annual flowers, 8 to 12 inches high, with clusters of brightly colored bloom during spring from fall and winter sowings. Sun.

Drummondii—Pkt. 10c.

Pink—

Purple—

Snowbank—White.

Rosy Morn—Giant-flowered, brilliant rose with white eye. Free blooming, uniform height. Pkt. 10c.

Salmon Glory—Salmon with distinct creamy-white eye. Pkt. 10c.

Norman's Select Mixture—Pkt. 10c.

PINKS—Beautifully colored single and double flowers with petals delicately cut. Grows about a foot high. Easy to grow, free-flowering. Sun.

Heddewigi, Single Mixed—Pkt. 10c.

Heddewigi, Double Mixed—Pkt. 10c.

POPPY—Very popular, delicately formed flowers. Sun.

American Legion Mixed—2 to 3 feet. Pkt. 10c.

Shirley, Single Mixed—Improved type. Pkt. 10c.

Shirley, Double Mixed—Beautiful begonia-like flowers. Pkt. 10c.

California Poppy—Low growing annuals with silvery green foliage and showy profusion of brightly colored flowers.

Single Mixed—Pkt. 10c.

Double Mixed—Pkt. 10c.

Golden West—Golden yellow. Pkt. 10c.

PORTULACA, Moss Rose—Very showy low-growing bedding plant with succulent waxy leaves and showy cup-shaped flowers in clear pleasing colors. Dry sunny places. Summer.

Single Mixed—All colors. Pkt. 15c.

Double Mixed—Flowers fully double. Pkt. 15c.

QUEEN ANNE'S LACE, Norman's Select Star-Flowered—Used extensively as a filler in bouquets. In the garden produces drifts of lovely white flowers. Sun. Pkt. 10c.

RICINUS, Castor Beans—Tall tree-like annuals planted for tropical-looking foliage. 6 to 10 feet. Sun. Pkt. 10c.

SALPIGLOSSIS, Mixed—Beautifully veined tubular flowers on 2 to 3 foot stems. Rich brilliant colors. Popular as cut flowers. Sun. Pkt. 10c.

SALVIA, Fireball—Plants blaze in color. Tender perennials for early spring planting. Bloom the first season. Sun. Pkt. 10c.

SCABIOSA, Mourning Eride, Mixed—Pincushion flowers. Profuse and lovely flowers on tall wiry stems. 2 to 3 feet high. Sun. Pkt. 10c.

SCHIZANTHUS, Select Mixed—Butterfly or Fringe Flower. Dainty compact branching annual. Finely cut foliage, and brilliantly colored butterfly-like flowers. Sheltered position. Sun. Pkt. 10c.

SHASTA DAISY, Alaska—Large single white daisy with yellow center on 2½ foot stems. Sun. Pkt. 10c.

SNAPDRAGONS (Antirrhinum)—Rust proof strain. Popular winter annuals with showy pleasingly formed lovely flowers. Long flowering season. Sun. In the following colors:

Shasta—White. Pkt. 10c.

Copper Queen—Bronze. Pkt. 10c.

Brilliant Rose—Pink. Pkt. 10c.

Defiance—Giant red. Pkt. 10c.

Yellow Jacket—Yellow. Pkt. 10c.

Mixed—Rust proof mixture of fine colors. Pkt. 10c, oz. \$2.00.

Norman's Suggests Sowing the Following for . . .

Winter Shade

Forget-Me-Nots
Johnny Jump Up
Lobelia
Pansy
Viola

Winter Border, Sun

Alyssum
Ageratum
Candytuft
Dwarf Nasturtium
Mignonette
Nemesia
Nemophila
Verbena
Virginian Stock

Summer Cut Flowers, Sun

Zinnias
Marigolds
Cosmos
Cockscomb
Vinca
Tithonia

Summer Border, Sun

Portulaca
Dwarf Zinnia
Dwarf Cockscomb

For Cut Flowers in Winter Sun

African Daisy
Bachelor Button
Calendula
Candytuft
Carnation
Chrysanthemum
Larkspur
Poppies
Stock
Snapdragons
Sweet Peas

STOCKS, Arizona Giants—Lovely double fragrant flowers on well branched plants. A popular winter flowering annual.

Purple—Pkt. 10c.

Light Pink—Pkt. 10c.

Blood Red—Pkt. 10c.

Snow White—Pkt. 10c.

Mixture—Extra fine blend of colors. Pkt. 10c, oz. \$2.50.

SUNFLOWER, Full Double Russian—Fall growing annual (5-10 feet high) for background plantings. Seeds make a valuable food for poultry. Sun. Pkt. 10c.

TEXAS BLUE BONNET, Arizona Strain (Lupinus Texensis)—Showy annual 18 inches high, producing long clusters of lupine flowers in late spring and early summer. Dark blue, tinged with white. Sun. Pkt. 10c.

SWEET WILLIAM (Dianthus barbatus)—Free flowering perennial with large clusters of brilliant pinks in reds, pinks and white, many with two colors. 1 to 1½ feet in height.

Norman's Select Double Mixed—Pkt. 10c.

SWEET PEAS

The most universally popular of all annual flowers. Blooms profusely and continuously over a long period, especially if the flowers are kept picked. For beauty and fragrance they are incomparable.

CULTURAL DIRECTIONS FOR SWEET PEAS

For the best location, select a spot where the sweet peas will get the morning and forenoon sun. Rich, loamy soil is desirable. Deep digging to even more than a spade length down and finely prepared soil are very important. Sow seeds about 1 inch apart and 1 to 1½ inches deep. The use of "Nitrogen" on the seed before planting will assist with good roots and abundant flowers. A good suggestion is to plant seed in the bottom of a trench of required depth. As the plant grows, gradually fill in around it with soil, drawing it up to the plants as they grow taller until eventually the surface soil is level. When sweet pea plants are about three inches high, twigs should be set around them to which the young tendrils may cling. When they reach the height of about 6 inches, supports should be provided. "Train-Ettes" are considered the best for they can be used from year to year and are easily placed. The soil should be well hoed and mulched to keep loose for several inches in depth to prevent cracking and loss of moisture. The flowers should not be allowed to wither on the vines but should continually be cut off. This will greatly prolong the blooming season. Whenever the soil begins to get a little dry, it should be watered. A thorough soaking twice a week is better than a little sprinkle every day. The use of a good mulch and peat moss will aid in the conservation of water.

Cuthbertson Sweet Peas

Cuthbertson Sweet Peas represent one of the most important developments in the modern world of flowers! Sweet pea lovers can now grow this beautiful flower successfully under conditions of heat and drought. The Cuthbertson Sweet Pea, with the orthodox blossom and vine, combines an ability to grow and bloom under hot weather conditions with exceptional vigor, length of stem, and abundance of fragrant blossoms. In Arizona, seed should be sown outdoors in late August or September for early blooming or as late as December for spring blooms. In higher altitudes, plant as soon as the soil can be worked and danger of severe frost is past. The notations after some varieties are awards received for superiority.

Frank G.—Lavender. (1st Class Certificate, 1944)

Coline—Scarlet. (Certificate of Merit, 1944)

Janet—White. (Certificate of Merit, 1944.)

Danny—Navy blue.

Hazel—Light blue.

Carol—Clear pink.

Mixed—A blend of all colors. Pkt. 10c.



SNAPDRAGON, COPPER QUEEN (above)
STOCKS, ARIZONA GIANTS (below)



SWEET PEAS—Continued

EARLY FLOWERING SPENCER SWEET PEAS—Sow in fall for early winter and spring blooms. Sow again in early spring for later spring blooms. Starts to climb at once after germinating and flowers 4 to 6 weeks ahead of the late flowering Spencers.

- Discovery**—Light pink.
- Gold Crest**—Orange-tinted salmon.
- Sunset**—Cerulean pink.
- Tangerine**—Rich orange.
- Warrior**—Chocolate maroon.
- Shirley Temple**—Pink.
- Harmony**—Clear lavender.
- Mars**—Crimson-red.
- Cascade**—White.
- Blue**—

Any of the above: **Pkt. 10c, oz. 50c**

Norman's Early Spencer Mixed colors—Contains a well-balanced assortment of colors of fine types. **Pkt. 10c oz. 50c.**

LATE FLOWERING SPENCER SWEET PEAS—Sow in early fall for spring bloom. Plants remain bushy until warm spring weather, when they shoot up and flower.

- Daffodil**—Yellow.
- Fortune**—Rich navy blue.
- Red Boy**—Bright red.
- White Powerscourt**—Pure white.
- Rosie**—Pink.
- Smiles**—Salmon-pink.
- Mixed**—

Any of the above: **Pkt. 10c, oz. 50c.**

CUPID SPENCER SWEET PEAS—A bush form of sweet pea with lovely large blooms of true Spencer type. Grows about 9 inches tall and makes a good border. Pink predominant. **Pkt. 10c.**

TITHONIA—Commonly known as the Mexican Sunflower. Does fine in extremely hot places. Grows about eight feet tall. Likes summer weather. Very showy flowers. Sun.

Speciosa—Annual, in height, habit and shape of flowers it reminds of a single dahlia. 8 feet. Sow in spring for late summer and fall bloom. **Pkt. 10c.**

Fireball—Taller growing, with dazzling brilliant scarlet flowers in late fall. Has good foliage and makes a fine background plant. **Pkt. 25c.**

VENIDIUM—A lovely annual with grey-green foliage and graceful stems bearing 4-inch daisy-like flowers with long overlapping petals. Height 2 feet. Sun.

Fastuosum—Flowers rich orange with dark brown zone at base center blue-black. **Pkt. 15c.**

Fastuosum hybrid—Petals zoned also but instead of orange, these include apricot, orange, salmon, yellow and white. **Pkt. 10c.**

VERBENA, Norman's Arizona Giants—For beds, borders, or window boxes, banks and parking strips, these giant flowered Verbenas produce an amazing display of color. Free flowering. Height 9 to 12 inches.

- Blue**—Deep royal blue. **Pkt. 10c.**
- Lavender Glory**—**Pkt. 10c.**
- Pink**—Showy pink. **Pkt. 10c.**
- Red**—Bright red. **Pkt. 10c.**
- White**—Clear white. **Pkt. 10c.**
- Mixed Colors**—Very fine mixture. **Pkt. 10c.**

VIOLA, Mixed Shades (Baby Pansy)—Fine for sun or shade. **Pkt. 15c.**

VINCA ROSEA, Madagascar Periwinkle—Ornamental bushy plants with glossy green foliage and profusion of large phlox-like flowers. 2 feet.

- Mixed Colors**—**Pkt. 10c.**
- Pink**—Selected pink flowered strain. **Pkt. 10c.**

VIRGINIAN STOCK (Malcomia or Mahon Stock)—Quick-growing annuals about 1 foot high. A useful plant for covering beds of bulbs, in front of borders or rock gardens. Free blooming.

- Crimson, Rose Pink, and White**—**Pkt. 10c.**
- Mixed Colors**—**Pkt. 10c.**

ZINNIAS

Zinnias are hot weather loving flowers and should never be sown until the soil has thoroughly warmed up and all danger of any frost has passed. If possible, plant seed where they are to grow for Zinnias resent transplanting. To induce a thrifty, heavy root system, irrigate your plants rather than sprinkling. Always cultivate after each irrigation to conserve moisture. The Dahlia Zinnia is large flowered but the edges are rolled like a Dahlia. California Giants are large, flat flowers. Lilliputs are small flowers, but grow to 2½ to 3 feet tall. Tom Thumb are dwarf plants of 8 to 10 inches tall and small flowers. Other varieties listed are explained in regular listing.

CROWN O' GOLD, Pastel Tints—Mixed only. Lovely large flowered Zinnias. Extremely double in delicate pastel tints. Each petal overlaid at base with golden yellow. **Pkt. 10c, oz. \$1.00.**

GIANTS OF CALIFORNIA—Plant 3 to 4 feet high with very large fully double well-formed flowers. Colors bright and clean. Very showy.

- | | |
|----------------------------------|-----------------------------|
| Enchantress —Pink. | Miss Wilmott —Pink. |
| Golden Queen —Yellow. | Orange King —Orange. |
| Grenadier —Red. | Purity —White. |
| Lavender Queen —Lavender. | Rose Queen —Rose. |
| Violet Queen —Violet. | |

All above colors—**Pkt. 10c, 1 oz. 75c.**

California Giants Mixed—**Pkt. 10c, oz. 75c.**

HOWARD'S GIANT CRESTED—Flowers fully as large as California Giants, with a ring of large broad petals surrounding a crest of small dainty petals. Very fine as a cut flower.

Mixed Colors—**Pkt. 25c.**

DAHLIA FLOWERED—Most popular large flowered Zinnia. Plants 2½ to 3 feet high with immense dahlia-like flowers. Strong stems. Fine for cutting and show in the garden.

- | | |
|------------------------------------|--|
| Canary Bird —Bright yellow. | Luminosa —Deep pink. |
| Crimson. | Meteor —Bright red. |
| Dream —Lavender. | Oriole —Orange and gold bi-color. |
| Eldorado —Salmon-apricot. | Polar Bear —White. |
| Exquisite —Light rose. | Purple Prince. |
| Illumination —Deep rose. | Will Rogers —Flaming red. |

All above colors—**Pkt. 10c, 1 oz. 75c.**

Norman's Select Mixed—A fine mixture. **Pkt. 10c, oz. 75c.**

GAILLARDIA-FLOWERED—Like double Gaillardia, these Zinnias are mostly two-colored in combinations, resembling Navajo rugs, hence the name "Navajo Zinnia" by which they are known.

Mixed Colors—**Pkt. 10c.**

HAAGEANA, Double Mixed—Medium size plants making excellent flower beds. Flowers fully double, with pretty and unusual markings. **Pkt. 10c.**

FANTASY ZINNIAS—Medium size, graceful, shaggy flowers, giving informal appearance of a Cactus Dahlia. 2 feet tall.

- Stardust**—Golden yellow. **Pkt. 10c.**
- Wildfire**—Dazzling scarlet. **Pkt. 10c.**
- Mixed**—Contains all bright colors. **Pkt. 10c.**

TOM THUMB, Mixed—Very dwarf, 6 to 8 inches high, which we recommend as perfect for borders. **Pkt. 10c, oz. \$1.50.**



ZINNIA, CALIFORNIA GIANT

LITTLE RED RIDING HOOD—Dwarf bright red. Pkt. 10c.

LILLIPUT ZINNIAS—A strain of dwarf plants 1½ to 2 feet high with small dainty flowers, very double, usually 1 to 1½ inches across. Popular for cutting.

Canary Gem —Canary yellow.	Rose Bud —Rose pink.
Crimson —Ruby red.	Salmon Rose —Soft rose.
Golden Gem —Golden yellow.	Valencia —Burnt orange.
Lilac Gem —Lavender.	White Gem —Pure white.
All above—Pkt. 10c, oz. 75c.	
Lilliput Mixed —Pkt. 10c, oz. 75c.	

NORMAN'S SELECT LILLIPUT PASTEL MIXTURE—Like the Lilliputs above, but in pastel colors. Very fine. Pkt. 10c, oz. \$1.50



MORNING GLORY—IPOMOEA
CLARKE'S HEAVENLY BLUE

VINE SEEDS

In planting vines, never plant until the soil is thoroughly warm. If it is too cool, the seeds will rot before growing. To aid germination of particularly hard seeded varieties, filing a small notch at the top of the seed will help considerably. Always select the driest, sandiest part of the garden for vines. Keep plants on the dry side in order to induce early and abundant flowering rather than sparse growth of foliage. Heavy watering will make leaves and few flowers. Most vines show off best when planted against a wall or fence.

MILE-A-MINUTE VINE

Perennial, fast growing, making a dense growth. Inconspicuous flowers. Pkt. 10c.

BALLOON VINE

ARIZONA LARGE-FLOWERED (Love-in-a-Puff)—Small white flowers followed by green balloon-shaped pods. Quick growth. Pkt. 10c.

CYPRESS VINE

IPOMEA QUAMOCUIT—Fine foliage. Star-shaped white and pink flowers. Pkt. 10c.

GOURDS

ORNAMENTAL GOURDS, Mixed Types—Popular tender vine, curiously shaped fruits. Easy to grow. Pkt. 10c.

MOONFLOWER

Large sweet-scented flowers much like Morning Glories, but opening after sundown.

WHITE—Pkt. 10c. **BLUE**—Evening Glory. Pkt. 10c.

MORNING GLORIES

Very popular annual vines making a quick cover on fences and trellises. Showy flowers open in daylight.

SCARLETT O'HARA—Bright red. Pkt. 15c.

CLARK'S EARLIEST HEAVENLY BLUE—Large sky-blue flowers shaded to a yellow throat. Water sparingly and do not fertilize. Pkt. 10c.

MIXED—Vari-colored flowers. Pkt. 10c.

SCARLET RUNNER BEANS

Showy clusters of 10 to 30 bright red flowers, followed by edible beans. Pkt. 10c.

LAWN SEED

Select the Best and Most Appropriate Seed

High-test lawn seed will give you a much better and quicker lawn. Be sure to select the correct seed for your locality.

AUSTRALIAN RYE

This seed is used exclusively in the Salt River Valley for winter lawns. Do not plant until the temperature is below 90 degrees for best germination. Sow seed approximately 1½ to 2 pounds per 100 square feet (10 ft. x 10 ft.).

Price: 1-10 lbs. 20c per lb.; 11-24 lbs. 17½c per lb.; 25-49 lbs. 15c per lb.; 50-74 lbs. 14c per lb.; 75 lbs. and up 13½c per lb.

BERMUDA SEED

This seed is for summer lawns. Sow any time from March through October for best results.

UNHULLED SEED (14-16 days)—75c per lb., 5 lbs. \$3.50.
Sow 1 lb. to about 500 sq. ft.

HULLED SEED (10-12 days)—\$1.00 per lb.
Sow 1 lb. to about 600 sq. ft.

DICHONDRA REPENS

Relatively new seed for Arizona. It is evergreen and grows in sun and shade. It's a leaf grass, not blade. Requires little mowing. Seed germinates in about 4 to 5 weeks after planting. Will choke back Bermuda.

Seed for 200 sq. ft.—\$1.25, 2000 sq. ft.—\$7.50.

Get full information for best results.

KENTUCKY BLUE GRASS

Best for higher climates. 1 lb. covers approximately 300 sq. ft. \$1.00 per lb.

WHITE DUTCH CLOVER

Mix with blue grass in high climates. 1 lb. 750 sq. ft. \$1.25 per lb.

POMPON CHRYSANTHEMUMS



CHRYSANTHEMUMS

Rooted chrysanthemum plants in flats are available about March 1st of each year in both pompon and giant mums. The colors range from Christmas red, white, bronze, pink and yellow. After the season advances past mid-April we can

supply plants in gallon cans that range about 12 to 18 inches tall or larger. Feel free to ask us about any size or color for we are sure we can supply you or secure them for you.

VINES

VIRGINIA CREEPER

AMPELOPSIS QUINQUEFOLIA—A very hardy, fast creeping vine especially adapted to the cooler northern portions of Arizona. Foliage turns bright crimson in fall. Leaves of 5 leaflets. **D. Gal. 75c, 5-gal. \$3.50.**

QUEEN'S WREATH
 (Mountain Rose)

ANTIGNON LEPTOPUS—Fast growing vine dying back to dormant roots in winter. Covered in late summer with magnificent sprays of small, bright rose-pink blossoms. The most rapid grower of any vine we have, often climbing as much as 50 feet in a single season. **D. Gal. 75c.**

WALL TRUMPET VINE or CAT'S CLAW

BIGNONIA TWEEDIANA—This evergreen clinging vine from Argentina makes a splendid house or wall covering in full sun of partial shade. It blossoms profusely in spring with 2-inch bright yellow, trumpet-shaped flowers. **E. Gal. 75c.**

BIGNONIA JASMINOIDES—One of the most beautiful and dainty of trumpet-vines. The many flowers are light pink or white with a deep ruby-red throat. **E. Gal. 75c, 5-gal. \$3.50.**

BOUGAINVILLEA

Very showy with dark green foliage. Makes a vigorous growth in full sun. Should be protected from frost. **E.**

CRIMSON LAKE—Brilliant red. **Gal. \$1.50, 5-gal. \$4.00.**

BRASILIENSIS—Rosy purple. **Gal. \$1.50, 5-gal. \$4.00.**

FIG VINE

FICUS REPENS—An evergreen climber with small dark green heart-shaped leaves. Clings tightly to brick and masonry. **E. Gal. 75c.**

HONEYSUCKLE

LONICERA HALLIANA (Hall's Japan)—Vigorous grower; dark green foliage with white fragrant flowers fading to yellow. **E. Gal. 75c.**

LONICERA MAGNIFICA—Like the above but fragrant flowers are bright red or pink.

ENGLISH IVY

HEDERA HELIX—Excellent thrifty vine for covering walls or banks. Extremely hardy in shade. **E. Gal. \$1.00.**

HEDERA CANARIENSIS, Variegated Ivy—Leaves larger, light green with white variations. **E. Gal. \$1.00.**



QUEEN'S WREATH, ANTIGNON

JASMINES

JASMINUM GRACILLIMUM, Pinwheel Jasmine—Compact growing and profusely covered with pinwheel-shaped white flowers. E. Gal. 75c.

JASMINUM GRANDIFLORUM, Spanish Jasmine—Large, fragrant white flowers from summer to late fall. Rapid growing vine with lacy foliage. E. Gal. 75c.

JASMINUM PRIMULINUM, Primrosé Jasmine—Our standard variety. Vigorous, with double yellow flowers in winter. Fine for trellis or fence or as a bank cover. E. Gal. 75c.

STAR JASMINE

RHYNCHOSPERMUM JASMINOIDES—Evergreen vine bearing clusters of showy white star-like flowers with lovely fragrance. One of the finest vines for shady places. Grows equally well in sun. June, particularly fragrant in the evening. Splendid foliage. E. Gal. 75c, 5-gal. \$3.50.

TRUMPET VINES

TECOMA CAPENSIS, Cape Honeysuckle—Leaves are shiny deep green, always neat in appearance and very nice with the clusters of bright orange-red flowers, suggestive of honeysuckles. Hardy. Sun. E. Gal. 75c, 5-gal. \$3.00.

TECOMA JASMINOIDES, Pandorea—For draping over walls, festooning along porches or balconies or for twining around pillars this vine has no superior. The glistening jasmine-like foliage is just heavy enough to present a clean striking appearance through any kind of weather. The lovely trumpet-shaped flowers, snowy white with carmine throats, are beautifully displayed in many flowered panicles. E. Gal. \$1.00, 5-gal. \$3.50.

WISTERIA

WISTERIA SINENSIS—Long, fragrant racemes of white, blue or purple pea-shaped flowers in early spring. Grafted plants, will flower in 2 years. Fine in shade. D. Gal. 75c, 5-gal \$3.50.



BOUGAINVILLEA, CRIMSON LAKE

GARDEN SUPPLIES

INSECTICIDES

Most common in every garden are insects and plant diseases. Below are listed a large assortment of sprays and dusts for preventing these pests. Aphis is probably the most destructive of all in early spring and late fall. These are small mite-like flies that suck the life from the plants. Mildew is usually prevalent in early spring. It is detected by a whitish mold on the leaves of the plants, in shady locations. Both aphis and mildew should be controlled early to avoid injury to plants and shrubs.

LIGHTNING SPRAYS

Pysect Garden Spray—A contact insecticide for aphis, leaf hoppers, etc.

1 oz. 30c 4 oz. \$0.85
2 oz. 45c 8 oz. \$1.30

Rosect Garden Spray—A stomach as well as contact spray. For aphis and soft bodied pests. 55c and \$1.10.

Mealy Bug Nursery Spray—A contact insecticide especially for mealy bugs. (Mealy bugs can be distinguished easily by the white hard shelled bug about the size of a sowbug.) 4 oz. 55c, 8 oz. \$1.00.

Sulphex Spray—Recommended for red spiders, powdery mildew and leaf curl on fruit trees. 4 oz. 35c.

Pest Be Gone Insecticide—Contains DDT 20%. Kills thrip, leaf hoppers, mosquitoes, flies. Bottle makes approximately 15 gals. spray. 4 oz. bottle \$1.00.

Bug-a-Boo Garden Spray—Highly concentrated for red spider, mealy bugs, thrips. 4 oz. 50c. Makes 18 gals. solution.

Black Leaf "40"—Nicotine sulphate solution. Effective and economical for plants, animals and poultry. 1 oz. 35c (makes approx. 5 gals. solution), 5 oz. \$1.00.

End-O-Pest Dust—Equally effective for chewing, sucking insects as well as mildew and red spider. In handy duster applicator gun. Be sure to wet plants with light sprinkle before applying so that dust will stick to plant. Per box 65c, refill 50c.

Arsenate of Lead—A stomach poison for either spraying or dusting. 1 lb. 35c.

Calcium Arsenate—Dust on the plants for caterpillars and grasshoppers. 1 lb. 35c.

Garden Bordo—An insecticide for painting or spraying trunks of trees from sunburn. 1 lb. 35c.

Lime Sulphur—For spraying fruit trees against worms. 1 lb. 35c.

Botano Dust—Insect dust for vegetables and flowers. 30c box.

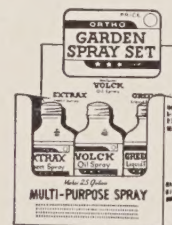
ORTHO SPRAYS

Extrax Spray—A rotenone and pyrethrum combination for aphis, thrips, etc. 1 oz. 35c (makes approx. 5 gals. solution), 4 oz. \$1.00, Pint \$2.75.

Orthol Spray with Oil Added and 1.3% DDT—Controls aphis, thrips, mealy bugs. 4 oz. 50c (makes approx. 5 gals. solution).

Volck Oil Spray—For mealy bugs, scale insects, red spiders. Excellent for mixing with other sprays that do not contain oil. 4 oz. 35c.

Greenol—For mildew, red spiders, mealy bugs. Contains a copper solution. 1 oz. 35c (makes about 4 gals. solution).



Complete Garden Spray Kit—A complete outfit for the home gardener. Contains bottles of Extrax, Greenoil and oil to combine together. Per Set \$1.85. Makes approx. 20 gals.

GARDEN SUPPLIES

Pestroy DDT Paint—Paint window screens and screen doors against flies and insects. Also excellent for painting garbage cans drain pipes and sills. **Pint Can 70c, Quart Can \$1.20.**

ROACHES—Roaches in closets, food and furniture can be expensive.

Whizooka Roach Gun—Pump round box and blow powder into hiding places. **\$1.25 each.**

Roach Foil—Shaker box. **25c each.**

WESTINGHOUSE BUG BOMB, contains **DDT**—Highly effective for flies, mosquitoes, moths, etc. A four second spray sufficient for average room. **Each \$2.95.**

HOUSEHOLD SPRAYS—For flies, mosquitoes, etc.

Flyfoil—Contains **DDT**. **Pint 30c, Quart 50c.**

Baldwin Spray—Contains perfume. **Pint 30c, Quart 50c.**

DOG REPELLENTS—Does not harm animals or plants, but highly effective in keeping dogs from plants.

Dogzoff (Liquid)—Spray undiluted to plant and ground around plant. **Bottle 60c.**

Scram (Dust)—Dust Scram around plant and shrubs. **50c per box.**

GOPHER PREVENTATIVES—Gophers ruin the lawn and garden. Also, they chew the roots of plants and can kill these easily.

Gopher Bombs—Fire cracker-like bombs that spurt poison gas into holes and kills fast. **75c dozen.**

Gopher Traps—When you catch a gopher in a trap, you know he's dead. **40c each.**

Gopher Poison Grain—Mixed grains and fruit that is poisoned. This attracts the gopher and kills him when he eats it. **Per box 30c, 65c.**

BUGGETTA BAIT—A poison food meal for cutworms and grasshoppers. **1 lb. 25c, 2½ lbs. 50c.**

ANT POISONS

Ant Foil Dust (for inside use only)—Dust around cracks and crevices, under sinks and around doors. **Duster package 10c, 20c.**

Carbon Bi-Sulphide (liquid)—Highly inflammable, use with care. Poison. Apply to top of hill and gas will saturate ground and kill ants instantly. **Pint 50c.**

Cyanogas "A" Dust—Place a small amount of Cyanogas at top of hill and kills immediately. **4 oz. Squirt Can 30c, 1 lb. Can 75c, 5 lb. Can \$2.50.**

Cyanogas Granular—Crystals of cyanogas dust. Holds the poison longer. Good also for gophers, rats and moles. **1 lb. Can 75c, 5 lb. Can \$2.50.**

Cyano-Eggs—Drop a couple of eggs in a gallon of water and let dissolve. Pour solution into hill and kill ants at once. **½ lb. Jar 45c, 1 lb. Jar 75c.**



WEED NO MORE 2 4-D Weed Killer

A very effective method of ridding your lawn of ugly weeds. Just mix 2 tablespoons weed killer solution to one gallon water and spray the tops of the weeds. It does not harm the lawn. Burr clover, water weeds, bull heads, etc., are just a few of the many weeds it kills.

8 oz. can covers 1,600 sq. ft. **\$1.00.**

Quart can covers 6,400 sq. ft. **\$3.00.**

Larger sizes available upon request.

LAWN SPRINKLERS

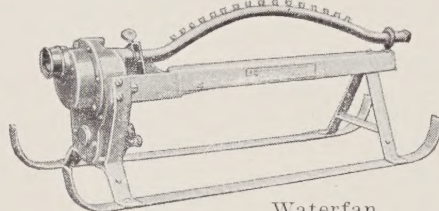
Rainking Model

K Sprinkler—The most popular of all Rainking's. Equipped with a dial top that adjusts the area of sprinkling from 5 to 50 feet. Large metal base keeps it from turning over readily. **\$6.95.**



Rainking Model H Sprinkler—Has several adjustable features. Each sprinkler end is equipped like a nozzle so that a stream or spray can be made. Also, the sprinkler can be set to whirl or stay stationary for large or small area. **\$5.40.**

Rainking Model D Sprinklers—Similar to model H except much lighter in weight. Can either spray or sprinkle or be set to whirl or stay in one position. **\$3.95.**



Waterfan

Waterfan—Norman's also carry the new unusual **Waterfan**. This sprinkler throws water in a fan shape. This fan weaves back and forth but can be adjusted to throw only in one direction. **Price \$18.00 each.**

Soil Soakers—A canvas hose for watering close areas along curbs, and other areas where a sprinkler is too large. **12 ft. \$1.40, 18 ft. \$1.90, 30 ft. \$2.90, 50 ft. \$4.75.**

Perfection Sprinkler—Whirling type lawn sprinkler with large metal base. Throws water under normal pressure over large area. **Small size \$3.50, Medium size \$5.00.**

Rainking Model N-1 Nozzle—Heavy garden nozzle with same fine workmanship as regular sprinklers. **\$1.10 each.**

Boston Nozzle—Heavy brass nozzle that will last years. **\$1.00.**

Crescent Sprinkler—A half circle stationary sprinkler. You can change the sprinkler from place to place without turning off the water or getting wet. **\$1.25.**

Sprinkling Cans—Galvanized metal, 2-gallon capacity. **\$1.75 each.**

Flare Sprinkler—Similar to a nozzle, except the end is flattened with many tiny holes punched in the head for a fine sprinkler. **75c.**

Nail Sprinkler—Single tip sprinkler with nail to stick into ground to eliminate turning over. **50c each.**

Twin Sprinkler—Resembles an owl head. Has two spikes in base to stick into ground to keep from turning over. **60c each.**

GARDEN HOSE

Goodrich Koroseal— $\frac{3}{8}$ -inch extra light weight. **25 ft. \$5.95, 50 ft. \$10.95.**

Synthetic Rubber— $\frac{3}{8}$ -inch single ply. **25 ft. \$3.50, 50 ft. \$6.50.**

$\frac{1}{2}$ -inch double ply—**50 ft. \$9.00.**

$\frac{3}{4}$ -inch double ply—**25 ft. \$6.00, 50 ft. \$12.00.**

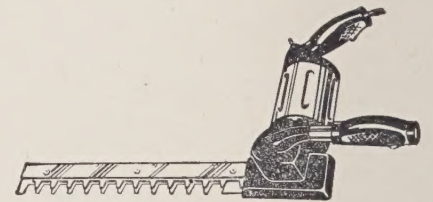
IMPLEMENTS

Thinning Shears—**40c, \$1.00, \$1.25, \$1.50, \$2.50.**

Long Handle Shears—**\$1.75, \$3.50, \$5.50.**

Grass Shears—**\$1.00, \$1.50.**

Hedge Shears—**\$2.00, \$3.85.**



ELECTRIC HEDGE SHEARS

Hedge Klip, Portable—14½-inch cutting blade. **\$49.50.**

Sunbeam Hedge Shear—13-inch cutting blade. **\$34.75.**

Irrigating Shovels—A straight blade shovel for cleaning ditches and general work. **\$2.00.**

Dirt Shovel—A curved blade shovel for digging and spading. **\$2.00.**

Short Handle Shovel—A curved blade with D type handle. **\$2.00.**

Steel Tooth Rake—A garden type rake for breaking up soil and pulling grass. **\$1.75.**

Steel Leaf Rake—Fine for raking leaves, grass cutting and small trash. **\$1.85.**

Cultivating Forks—A four-prong tool for spading flower beds and other uses. **\$2.00.**

Garden Hoes—A sturdy hoe for chopping weeds. **\$1.25.**

Long Handle Cultivator—A four-tine cultivator excellent for loosening around roses and other flowers. \$1.50.

Lawn Edgers—A jagged tooth wheel for cutting grass along sidewalks. \$1.50, \$3.75.

Hand Trowels—All metal flower trowel for transplanting and replanting. 25c.

Hand Cultivator—A small tool for general cultivating, steel teeth. 25c.

Weeder Knives—A V-blade suitable for digging weeds, grass from lawns. 50c, 65c.

Files—Any garden needs a file for sharpening shears and tools. 8-inch 35c, 10-inch 45c.

Twine—Always useful around any garden. 15c ball.

Hose Washers—An extra washer is always needed. One dozen washers, 10c.



Hotkaps—The Miniature hot house for your small vegetables and flowers. Helps keep frost, insects and other pests from your plants. 2c each. Set of 25

kaps with setter 60c. (Ask for larger quantity prices.)

Date Bags—Waterproof paper tubes that protect the date bunches from birds, insects and weather. Large size. 20c each, \$2.25 per dozen, \$8.75 for 50, \$16.50 for 100.

SPRAY GUNS

1 pint atomizer 40c.

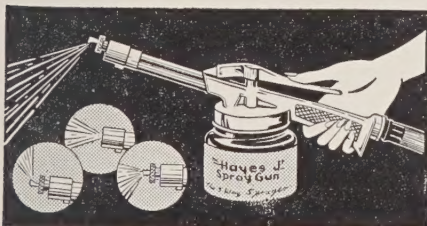
1 quart atomizer 75c.

1 quart continuous \$1.25.

Tank sprayer, 2 gal., \$9.60

Tank sprayer, 2½ gal., \$9.90.

Hayes Sprayer—Connects to hose, delivering efficient mixture with city water. \$6.95 each.



LAWN MOWERS

Lawn mowers are now returning to the markets in fair quantities. We now have a good 17-inch cut Clemson mower that we believe to be one of the finest made. All metal construction with rubber tires. Easily adjusted for height of cut and cutter blades. \$32.95.

Other good mowers at less expensive prices always available.

Grass Catchers—Aluminum bottom with good quality materials for sides. Two sizes available. \$3.00, fits up to 18-inch mowers. \$4.50, fits up to 22-inch power or hand mowers.



NORMAN'S MODERN TOOL DEPARTMENT

Pottery—For either plain clay type pots or colorful garden pottery, see Norman's. There are sizes for every need. Clay pots run from 4-inch sizes to 10-inch while the colored glazed pottery runs from 3-inch to 12-inch in colors of white, green, yellow, turquoise, blue, etc. Ask for prices in sizes wished.

FERTILIZERS

Vigoro—Complete plant food. An excellent fertilizer for roses, shrubs and lawns. It is highly active and should be used exactly as directed. 1 lb. 10c, 5 lbs. 45c, 10 lbs. 85c, 25 lbs. \$1.65, 50 lbs. \$2.80, 100 lbs. \$4.75.

Vigoro Tablets—10c box.

Soil Sulphur—Another fertilizer good for plants requiring an acid soil. Also helps counteract alkali. 5c lb., \$4.00 100 lbs.

Gypsum, agricultural—Used for sweetening soil and counteracting alkali. 5c lb., \$2.50 100 lbs.

Iron Sulphate—Excellent for shrubs and plants that need greening up. Will bring color back to almost any plant. 10c lb., \$3.50 50 lbs, \$6.00 100 lbs.

Aluminum Sulphate—Used principally for acid loving plants. 1 lb. 15c.

Bone Meal—Fertilizer for bulb beds. 1 lb. 10c.

Cottonseed Meal—To counteract alkali and a mild fertilizer for flower beds. 10c lb.

Ammonium Sulphate—Very good for greening up lawns and also good for prevention of root rot on trees. 10c lb., \$4.00 100 lbs.

Nitrate of Soda—Similar to ammonium sulphate, good for lawns. 10c lb., \$4.00 100 lbs.

Dusting Sulphur—For the prevention of mildew. 10c lb., \$5.00 100 lbs.

Liquid Soil and Water Acidifier—Use one teaspoon in one quart of water one time a month. 4 oz. 30c, 8 oz. 50c, Pint 75c, Quart \$1.25, Gal. \$2.50.

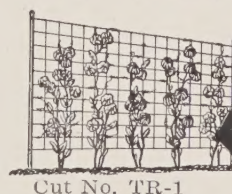
Zinc Sulphate—For use on pecan trees. 15c lb.

Barnyard Fertilizer—Well aged, finely pulverized. 50c sack, yard \$4.50.

Peat Moss—Bags 75c, ½ bales \$2.75, bales \$5.00.

TRAIN-ETTES

60x72, 65c; 60x96, 85c; 60x180, \$1.25



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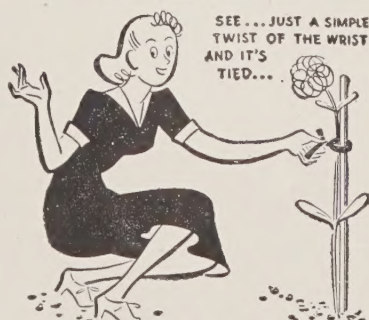
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DIFFERENT!**

**Weatherized
TRELLIS NETTING**

Ideal Support for SWEET PEAS, GARDEN PEAS, POLE BEANS, CUCUMBERS, TOMATOES

"TWIST-EMS"

\$1.25 per box 35c



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